



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

KML Windows, Inc.
23 Buchanan Court
London, On N5Z 4P9

Your application for Notice of Acceptance (NOA) of:

Aluminum Clad Outswing Wood French Doors - Non-Impact and Impact Resistant

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 00-1030.02
EXPIRES: 04/26/2004

Raul Rodriguez
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 04/26/2001

KML Windows, Inc

ACCEPTANCE No.: 00-1030.02

APPROVED : APR 26 2001

EXPIRES : APR 26 2004

NOTICE OF ACCEPTANCE SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This approves a wood French door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

- 2.1 The **Aluminum Clad Outswing Wood French Door –Non-Impact and Impact Resistant** and its components shall be constructed in strict compliance with the following documents: Drawing No **1003D**, Sheets 1 through 13 of 13, titled "Aluminum Clad Wood French Doors (Dade)", dated 09/05/00, signed and sealed by Warren W. Schaefer, P.E. bearing the Miami-Dade County Product Control approval and renewal stamps with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

- 3.1 This approval applies to single unit applications of pair of doors and single door only, as shown in approved drawings. Single door units shall include all components described in the active leaf of this approval.

4. INSTALLATION

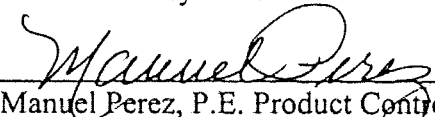
- 4.1 The wood swing doors and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters): to determine whether the installation requires a hurricane protection system or not, see corresponding table in approved drawing.

5. LABELING

- 5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

6. BUILDING PERMIT REQUIREMENTS

- 6.1 Application for building permit shall be accompanied by copies of the following:
- 6.1.1 This Notice of Acceptance
- 6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
- 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.


Manuel Perez, P.E. Product Control Examiner
Product Control Division

KML Windows, Inc

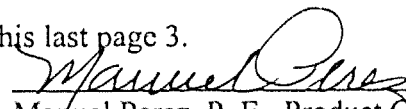
ACCEPTANCE No.: 00-1030.02

APPROVED : APR 26 2001

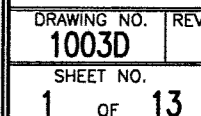
EXPIRES : APR 26 2004

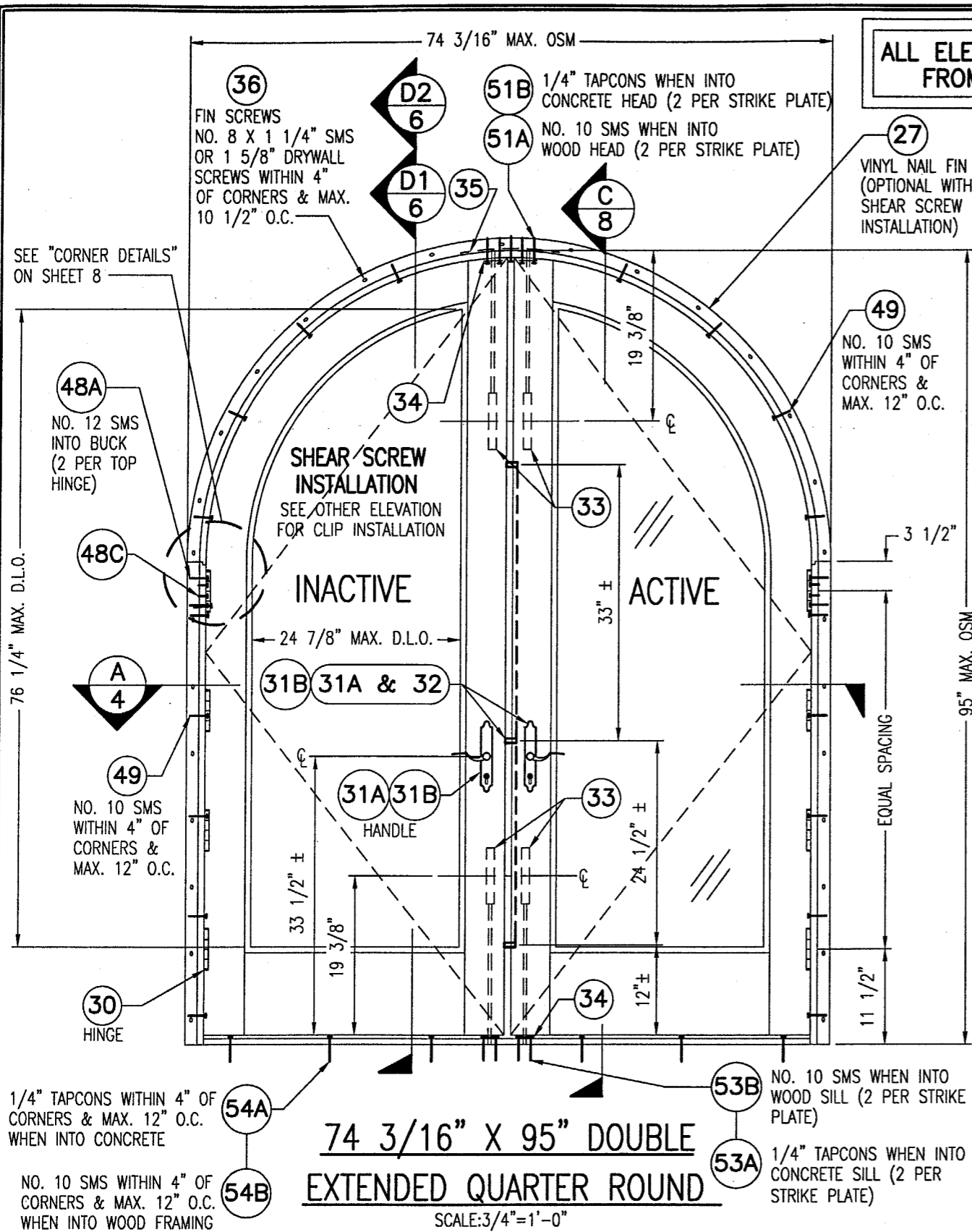
NOTICE OF ACCEPTANCE STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.


Manuel Perez, P. E., Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE





NOTE: FOR COMBINATION OF UNITS, SEE SHT. 3 & MULLION DRAWING NO. 1003E

ALLOWABLE DESIGN LOADS	
NON-IMPACT UNITS	SEE "NON-IMPACT LOAD TABLES" ON SHEET 12
IMPACT UNITS	+65 PSF/-70 PSF

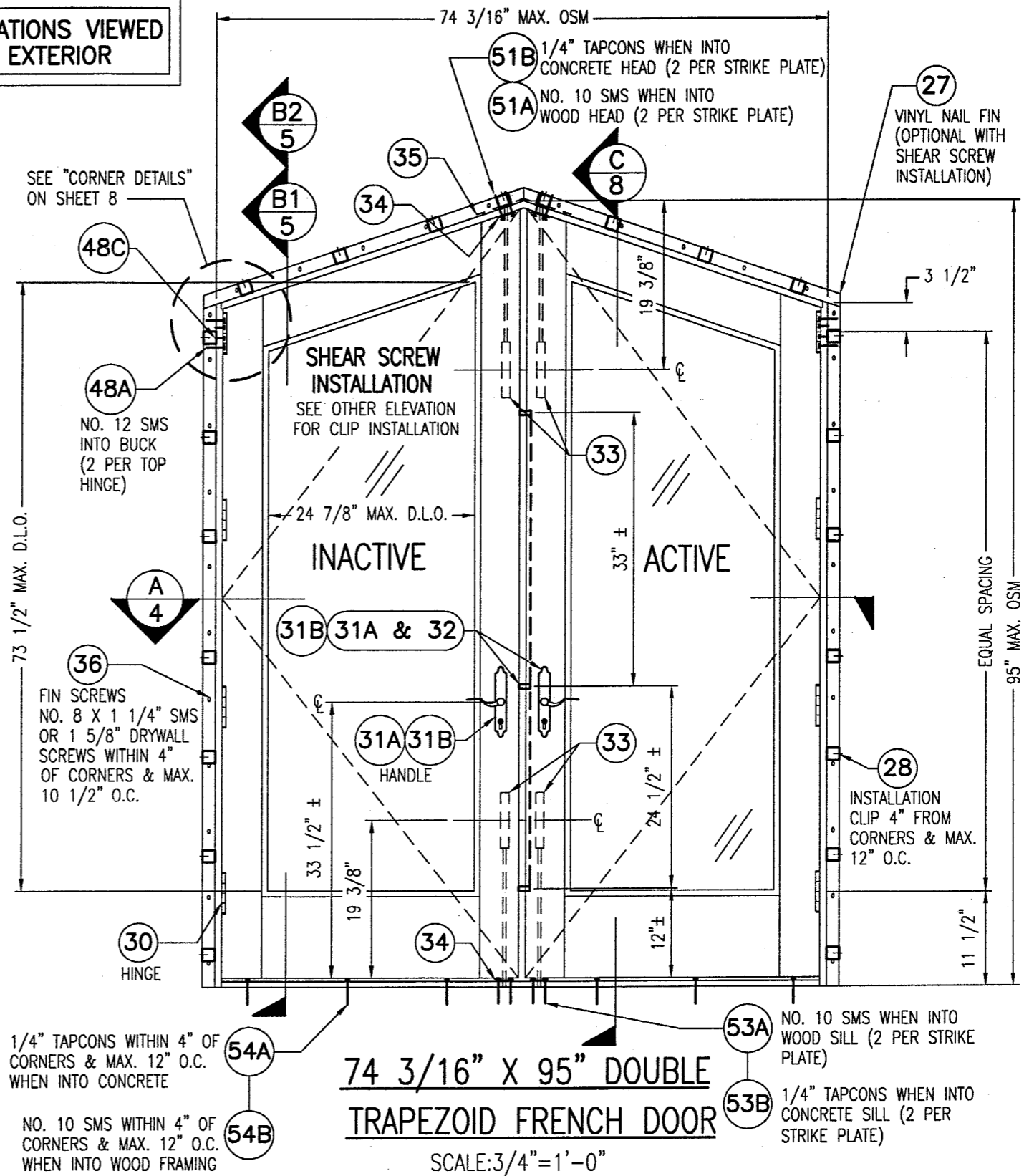
ALL ELEVATIONS VIEWED FROM EXTERIOR

SEE "CORNER DETAILS" ON SHEET 8

1/4" TAPCONS WITHIN 4" OF CORNERS & MAX. 12" O.C. WHEN INTO CONCRETE

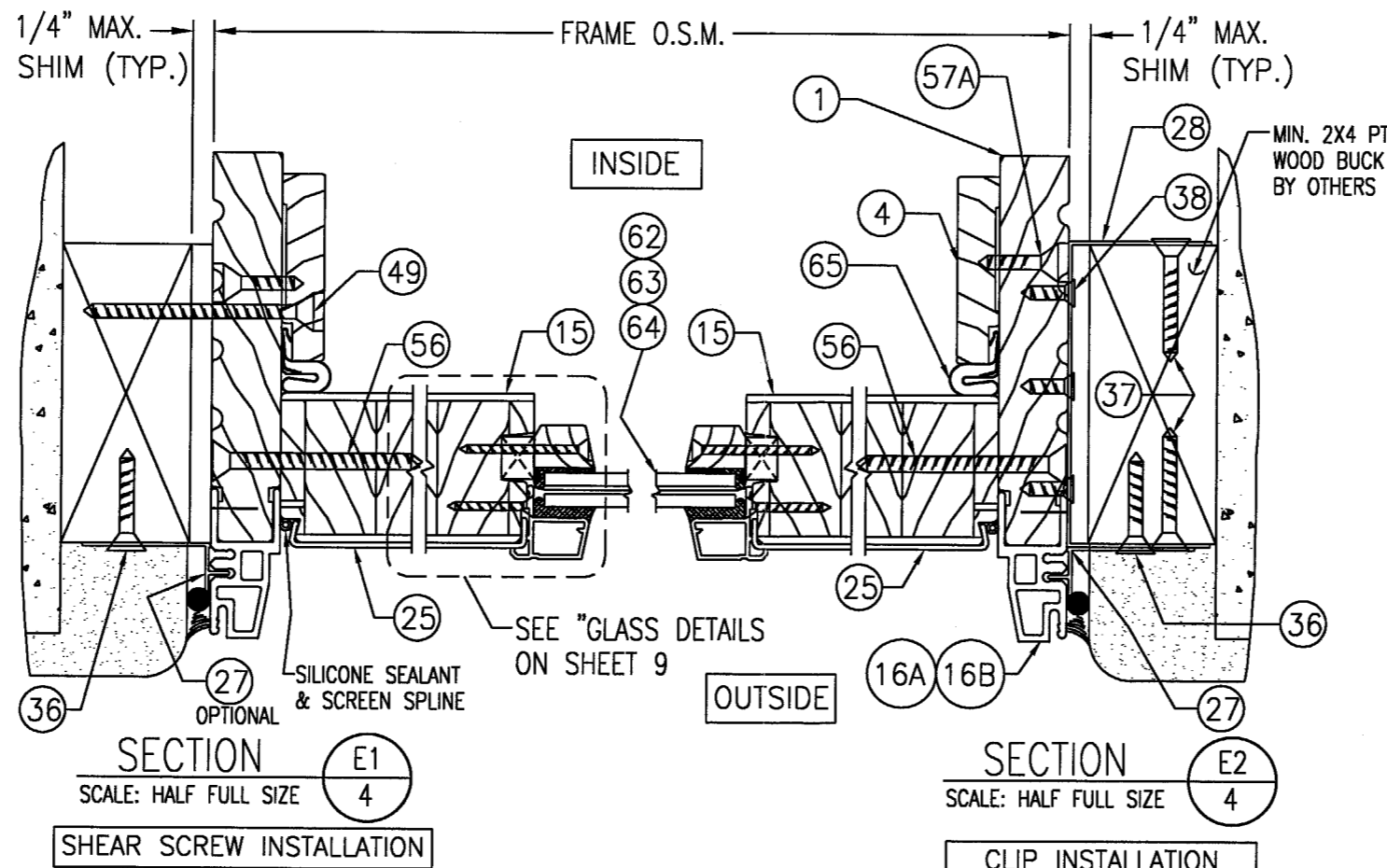
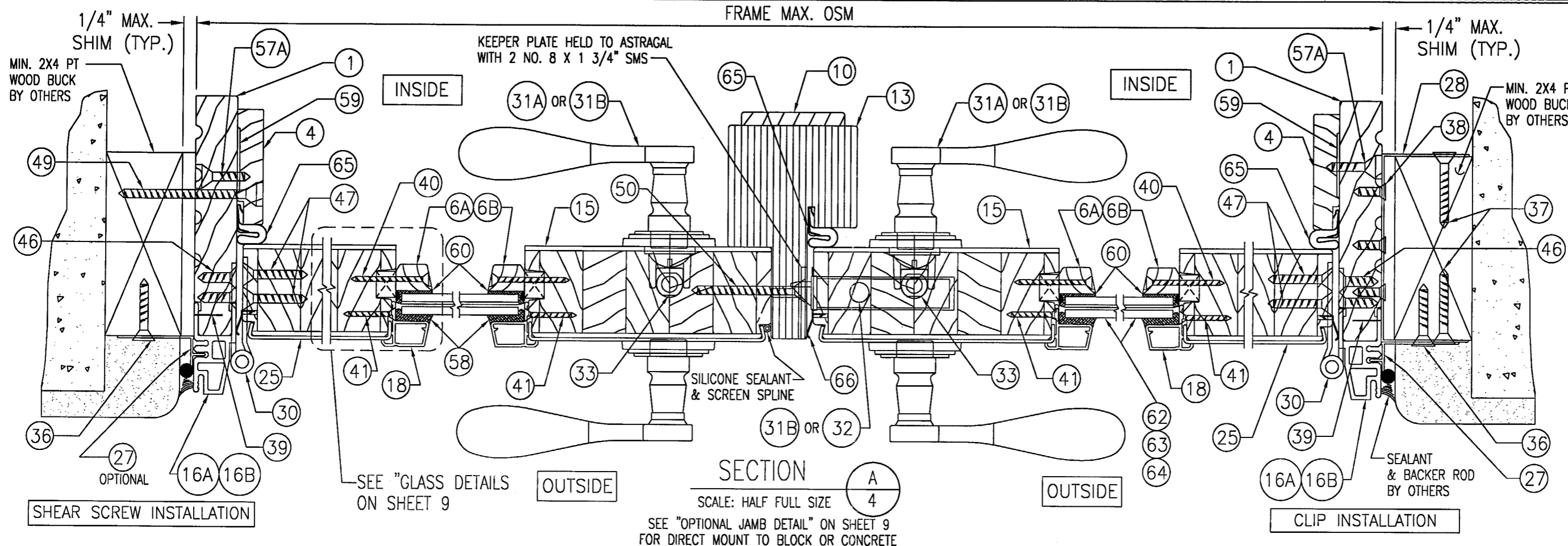
NO. 10 SMS WITHIN 4" OF CORNERS & MAX. 12" O.C. WHEN INTO WOOD FRAMING

FOR JAMB FASTENER EMBED & EDGE DISTANCE REQUIREMENTS SEE SHEET 3



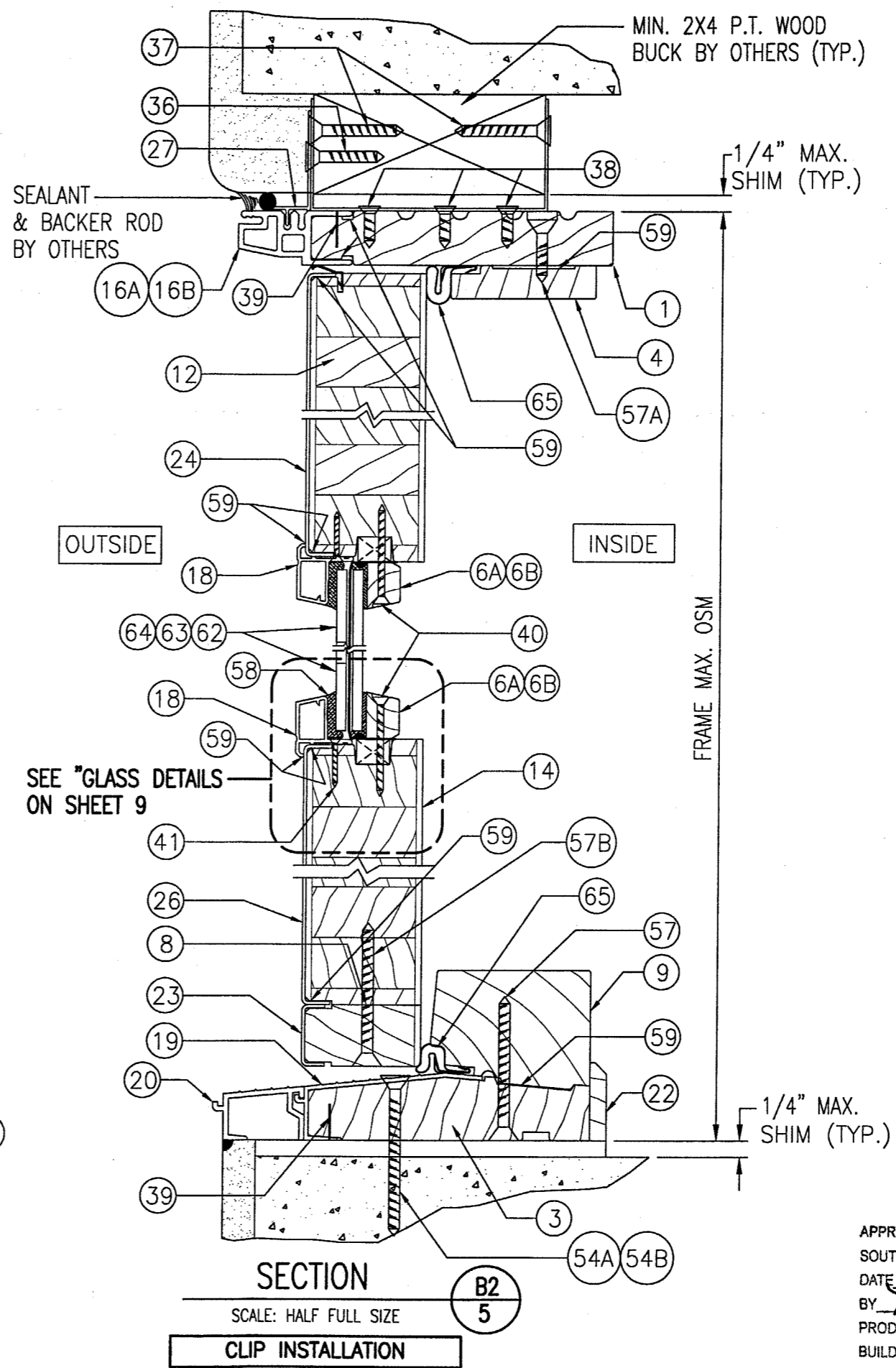
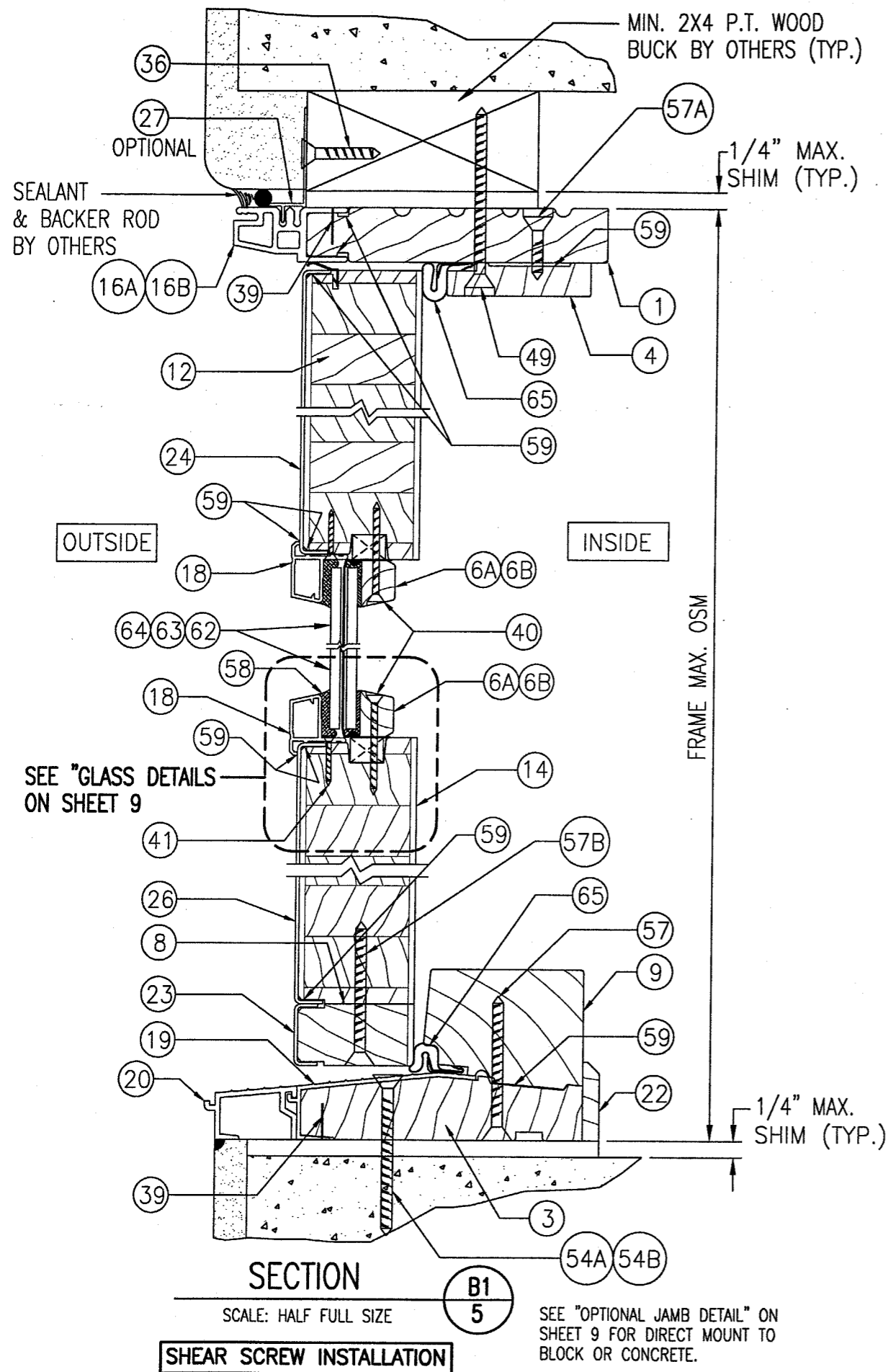
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE **APR 26 2001**
 BY *Manuel Perez*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. **00-1030.02**

DRAWN BY: W.W.S.		DATE: 09/05/00	
CHECKED BY: W.W.S.		DATE: 03/29/01	
PLOT: 1=16			
DATE	BY	NO.	REVISION DESCRIPTION
DRAWING TITLE: ALUMINUM CLAD WOOD FRENCH DOORS (DADE)		MANUFACTURER: KML WINDOWS, INC.	
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		23 BUCHANAN COURT	
600 SANDTREE DRIVE, SUITE 203B		LONDON, ONTARIO, CANADA N5Z4P9	
PALM BEACH GARDENS, FL 33403		(519)681-7012	
PHONE: 561-775-4902		FAX: 561-775-4903	
CERTIFICATION	MAR 30 2001	P.E. WARREN W. SCHAEFER, P.E.	
DRAWING NO. 1003D		REV.	
SHEET NO. 2		OF 13	



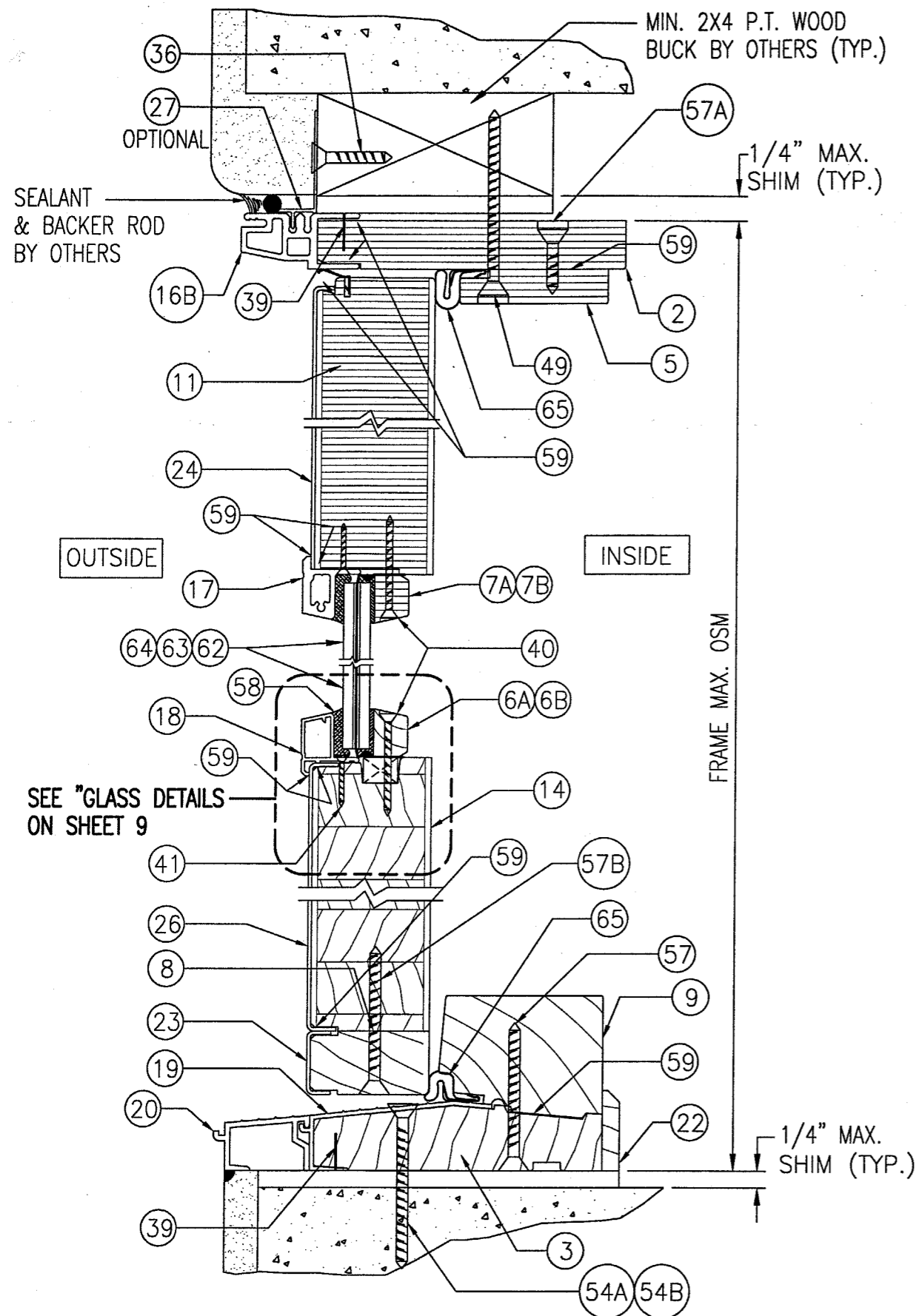
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **APR 26 2001**
BY *Warren W. Schaefer*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-1030.02

DRAWN BY: W.W.S.		DATE: 09/05/00	
CHECKED BY: W.W.S.		DATE: 03/29/01	
PLOT: 2:1			
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: ALUMINUM CLAD WOOD FRENCH DOORS			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903			
MANUFACTURER: KML WINDOWS, INC. 23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 (519)681-7012			
CERTIFICATION MAR 03 2001		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1003D		REV. 4	
SHEET NO. 4		OF 13	



APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **APR 26 2001**
BY *Warren W. Schaefer*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **00-1030.02**

DRAWN BY: W.W.S.		DATE: 09/05/00	
CHECKED BY: W.W.S.		DATE: 03/29/01	
PLOT: 2:1			
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: ALUMINUM CLAD WOOD FRENCH DOORS		(DATE)	
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		MANUFACTURER: KML WINDOWS, INC. 23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 (519)681-7012	
CERTIFICATION	MAR 30 2001	WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO.	1003D	REV.	
SHEET NO.	5	OF	13



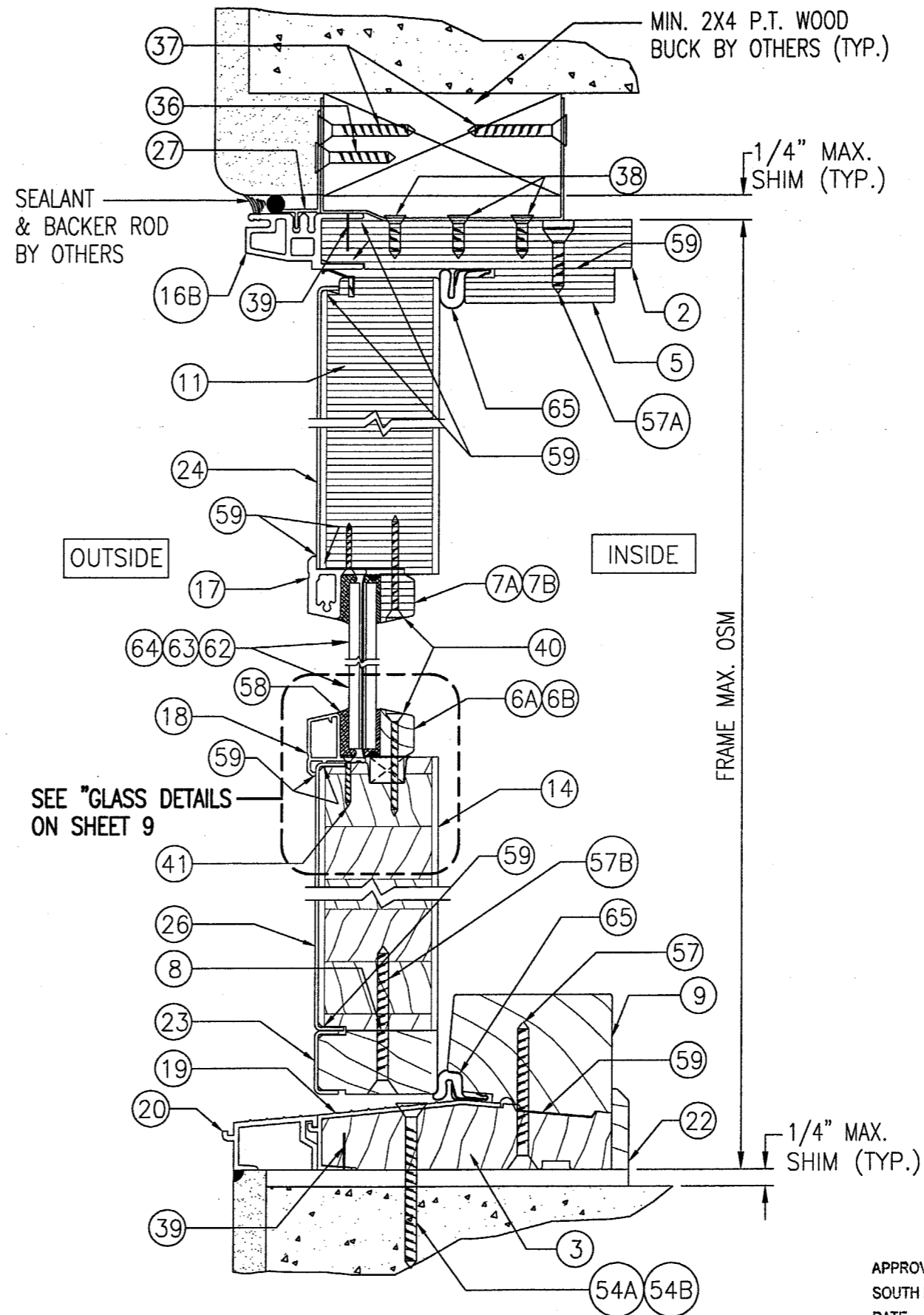
SECTION

SCALE: HALF FULL SIZE

SHEAR SCREW INSTALLATION

D1
6

SEE "OPTIONAL JAMB DETAIL" ON SHEET 9 FOR DIRECT MOUNT TO BLOCK OR CONCRETE.



SECTION

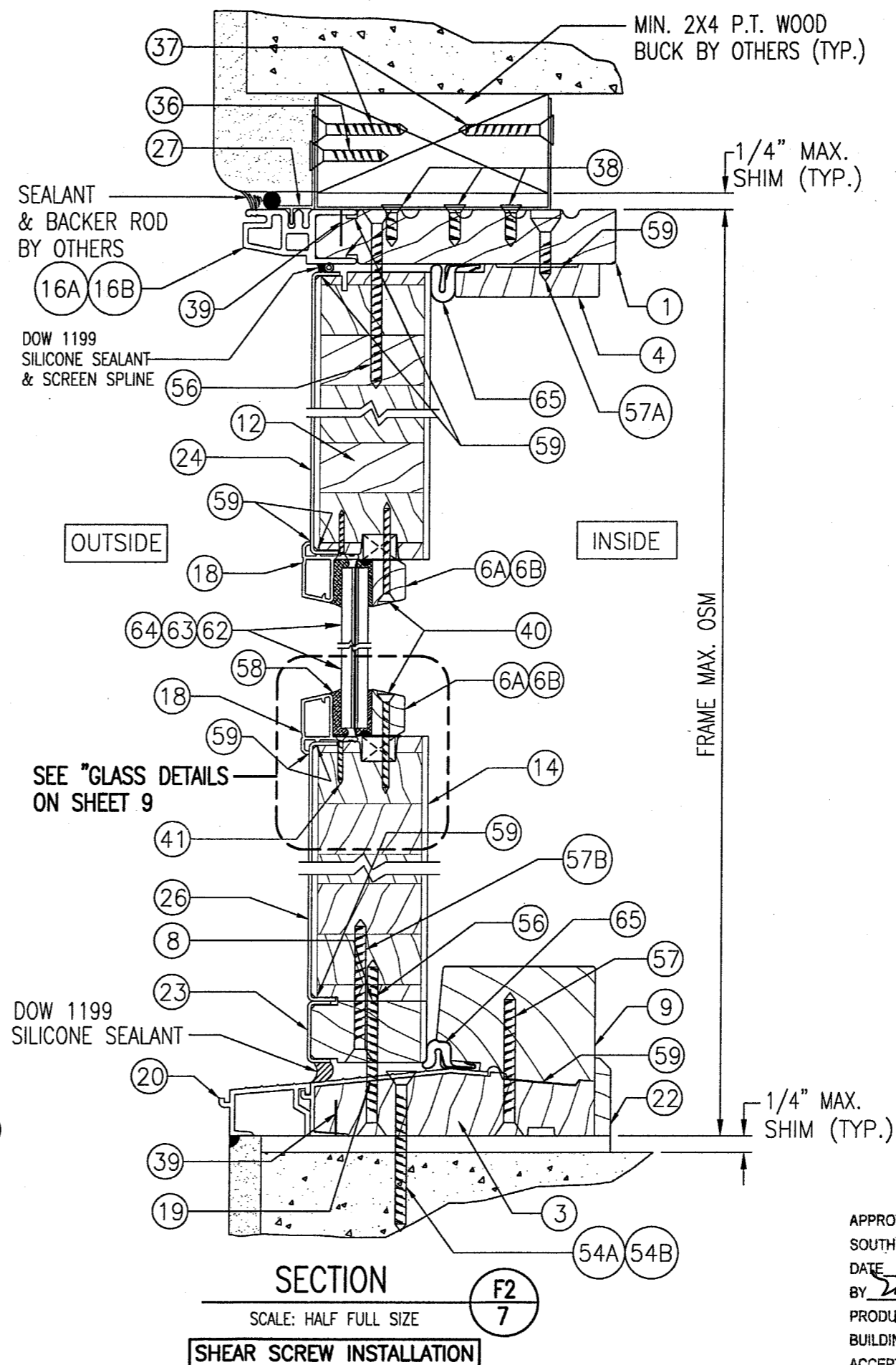
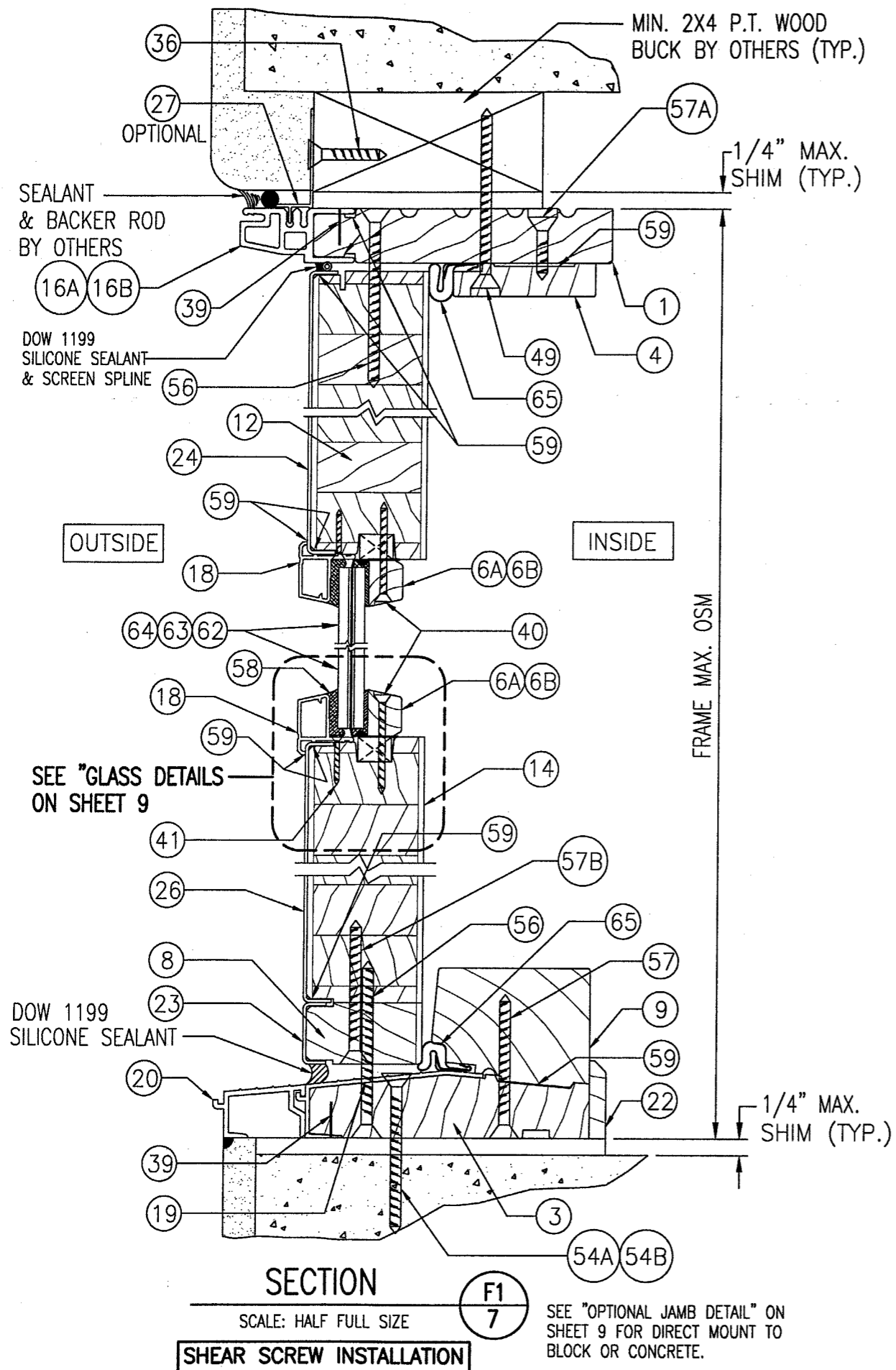
SCALE: HALF FULL SIZE

CLIP INSTALLATION

D2
6

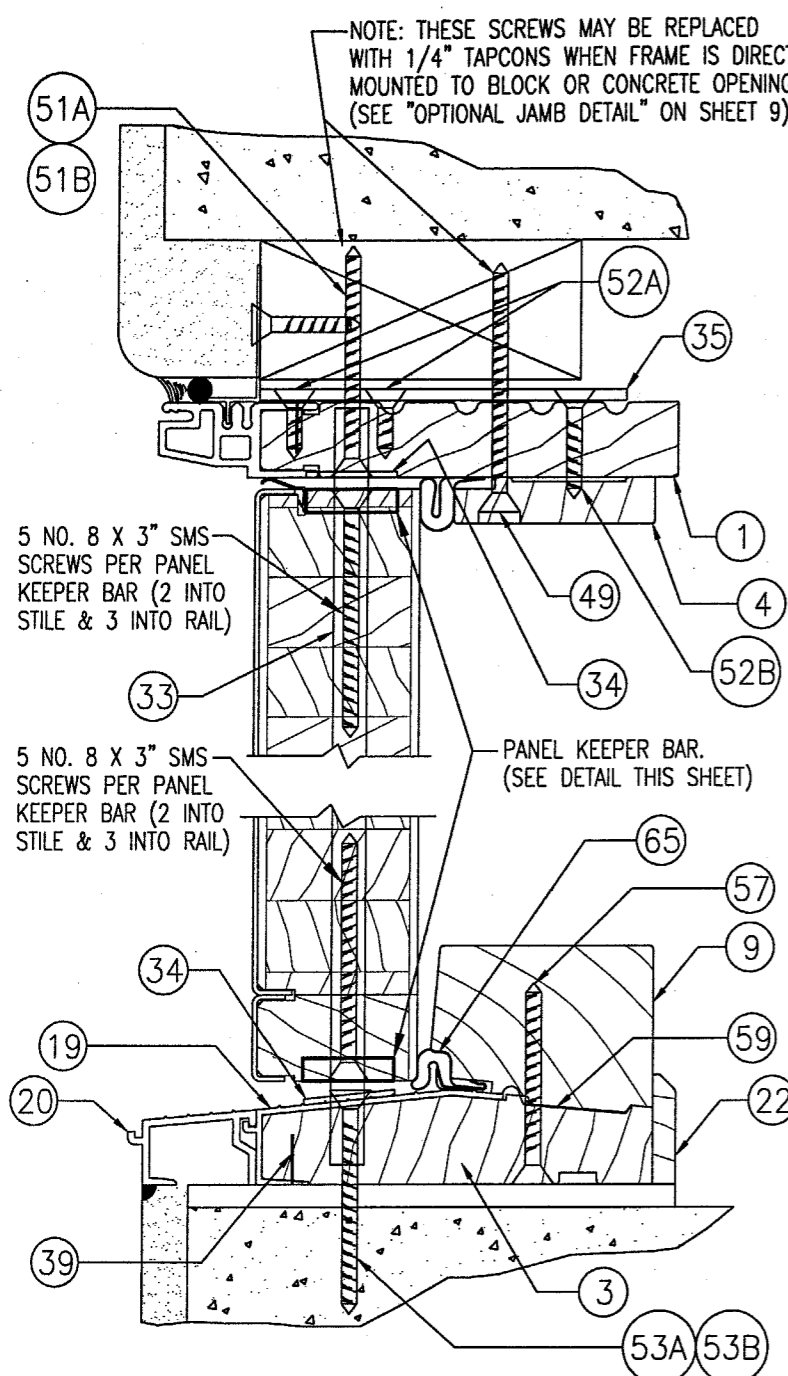
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **APR 26 2001**
BY *Warren W. Schaefer*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **00-1030.02**

DRAWN BY: W.W.S.		DATE: 09/05/00	
CHECKED BY: W.W.S.		DATE: 03/29/01	
PLOT: 2:1			
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE		(DADE)	
ALUMINUM CLAD WOOD FRENCH DOORS		MANUFACTURER	
CONSULTANTS		KML WINDOWS, INC.	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		23 BUCHANAN COURT	
600 SANDTREE DRIVE, SUITE 203B		LONDON, ONTARIO, CANADA N5Z4P9	
PALM BEACH GARDENS, FL 33403		(519)681-7012	
PHONE: 561-775-4902		FAX: 561-775-4903	
CERTIFICATION		MAR 30 2001	
WARREN W. SCHAEFER, P.E.		P.E. NO. 44135	
DRAWING NO.		REV.	
1003D			
SHEET NO.			
6		OF 13	



APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **APR 26 2001**
BY *Warren W. Schaefer*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **00-1030.02**

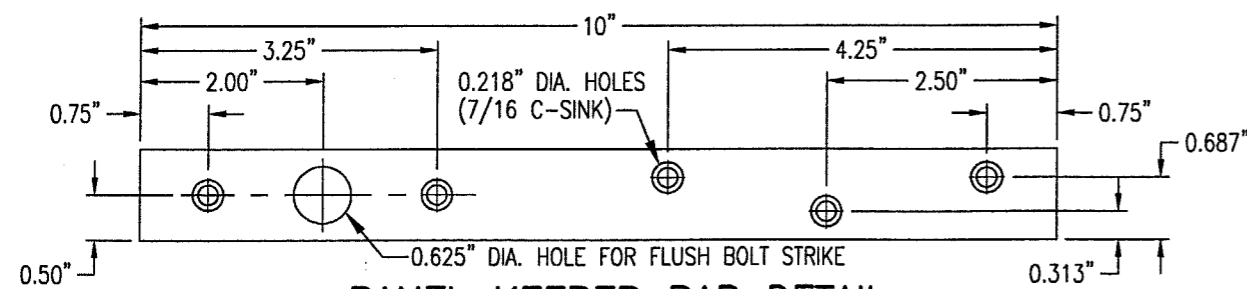
DRAWN BY: W.W.S. DATE: 09/05/00		CHECKED BY: W.W.S. DATE: 03/29/01		PLOT: 2:1	
NO.	REVISION	DESCRIPTION	BY	DATE	
DRAWING TITLE: ALUMINUM CLAD WOOD FRENCH DOORS					
(DATE)					
MANUFACTURER: KML WINDOWS, INC. 23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 (519)681-7012					
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903					
CERTIFICATION: MAR 30 2001					
WARREN W. SCHAEFER, P.E. P.E. NO. 44135					
DRAWING NO. 1003D		REV.		SHEET NO. 7 OF 13	



SECTION @ STRIKE PLATES

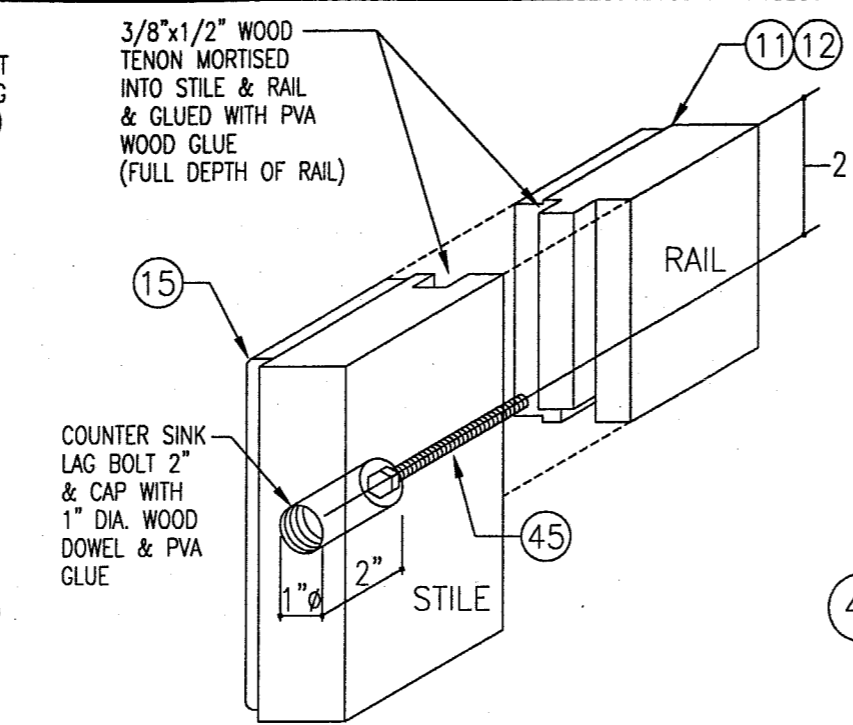
SCALE: HALF FULL SIZE

C
8



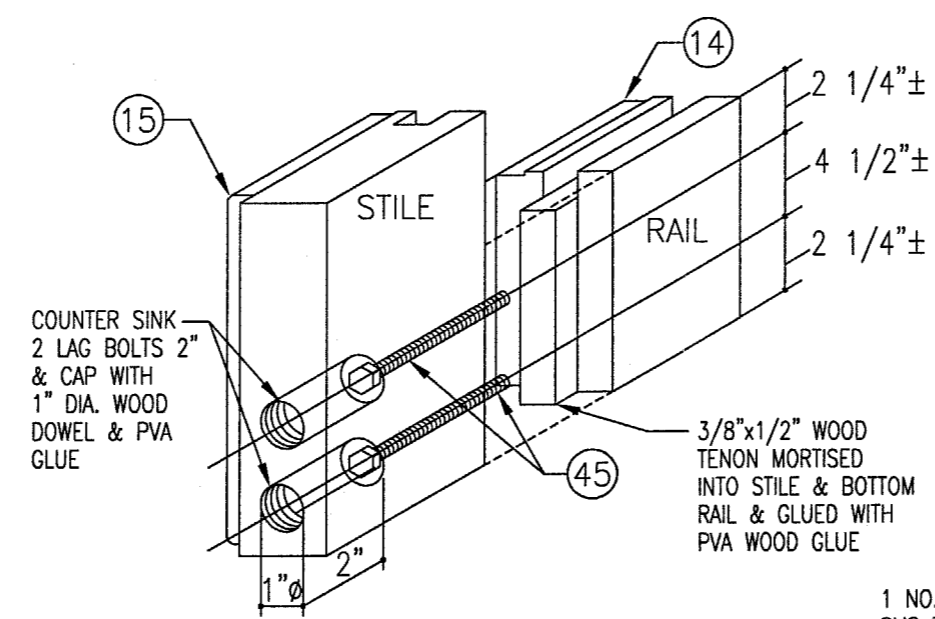
PANEL KEEPER BAR DETAIL

1/4" X 1" A36 STEEL NICKEL PLATED OR PAINTED BAR
SCALE: HALF FULL SIZE



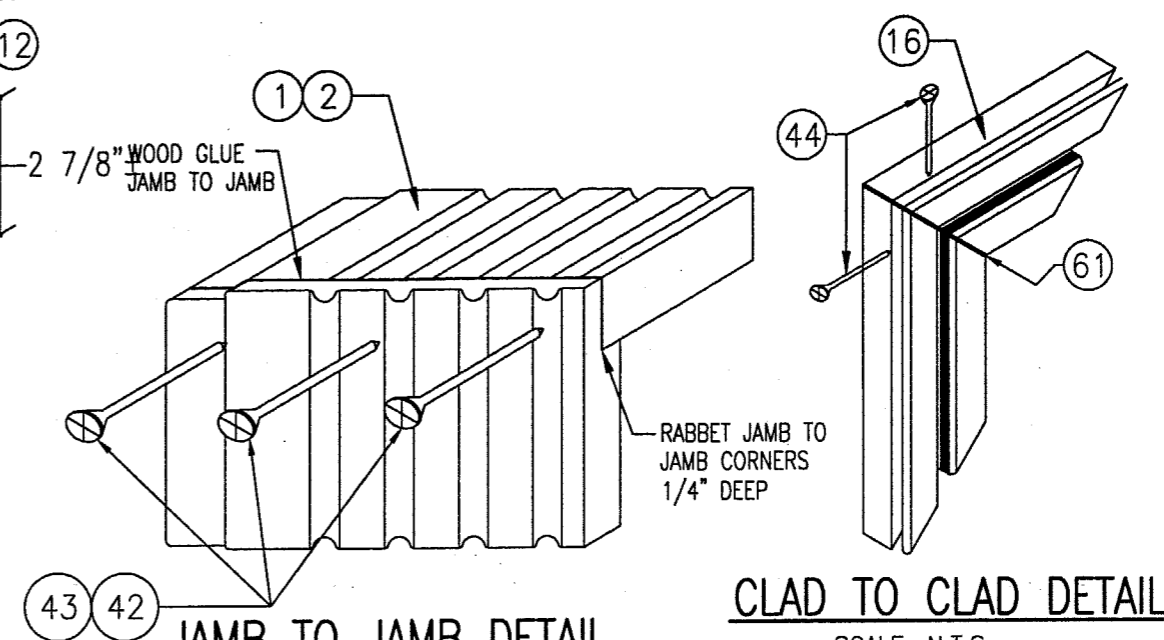
STILE TO TOP RAIL CORNER DETAIL

SCALE: N.T.S.



STILE TO BOTTOM RAIL CORNER DETAIL

SCALE: N.T.S.



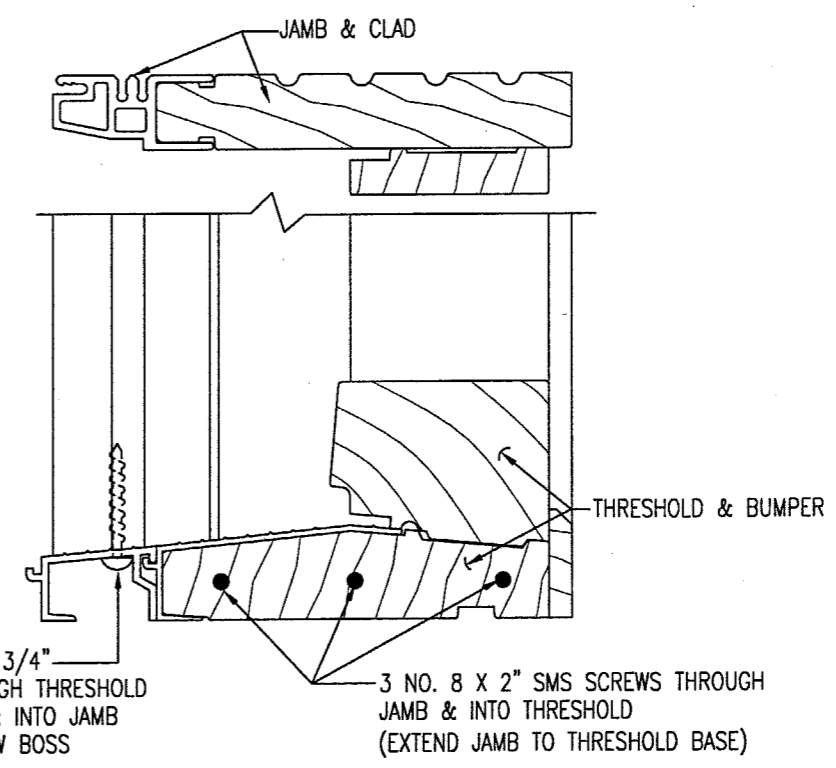
JAMB TO JAMB DETAIL

SCALE: N.T.S.

CLAD TO CLAD DETAIL

SCALE: N.T.S.

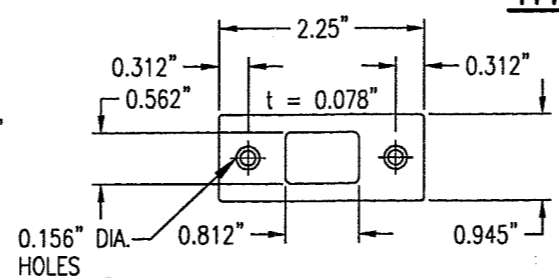
JAMB CORNER DETAILS



1 NO. 6 X 3/4" SMS THROUGH THRESHOLD CLADDING & INTO JAMB CLAD SCREW BOSS

3 NO. 8 X 2" SMS SCREWS THROUGH JAMB & INTO THRESHOLD (EXTEND JAMB TO THRESHOLD BASE)

THRESHOLD TO JAMB CORNER DETAIL

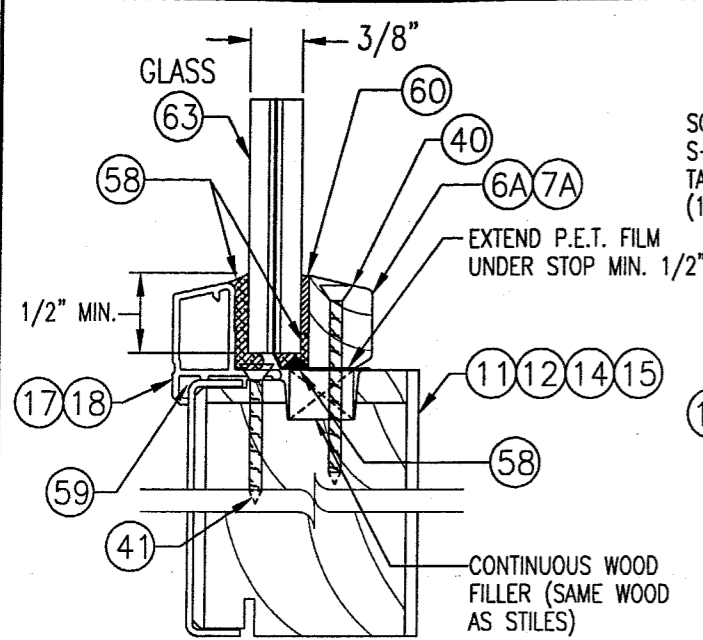


STRIKE PLATE DETAIL

NICKEL PLATED STEEL
SCALE: HALF FULL SIZE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **APR 26 2001**
BY *Manuel Perez*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **00-1030.02**

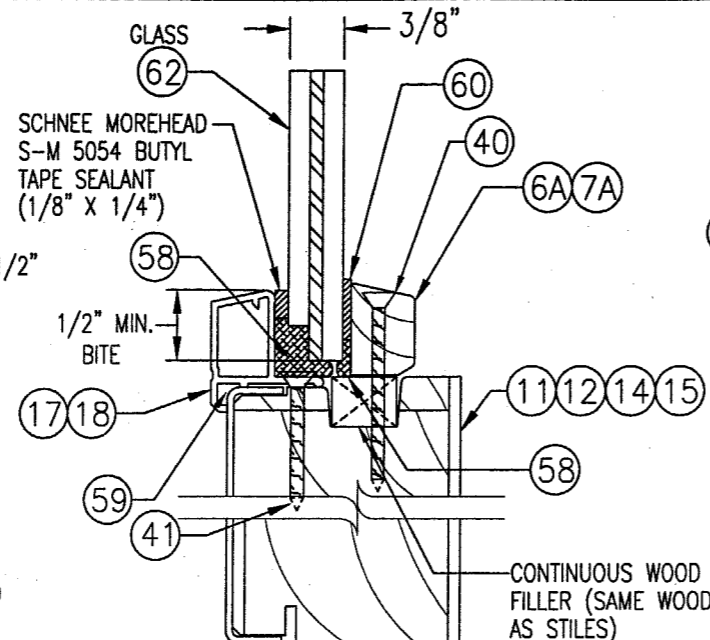
DRAWN BY: W.W.S.		DATE: 09/05/00	
CHECKED BY: W.W.S.		DATE: 03/29/01	
PLOT: 2:1			
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: ALUMINUM CLAD WOOD FRENCH DOORS			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: KML WINDOWS, INC.	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 (519)681-7012	
CERTIFICATION: MAR 30 2001		P.E. NO. 44135	
DRAWING NO. 1003D		REV.	
SHEET NO. 8		OF 13	



TYPICAL GLASS & GLAZING DETAIL IMPACT UNITS

SCALE: 3/4 FULL SIZE

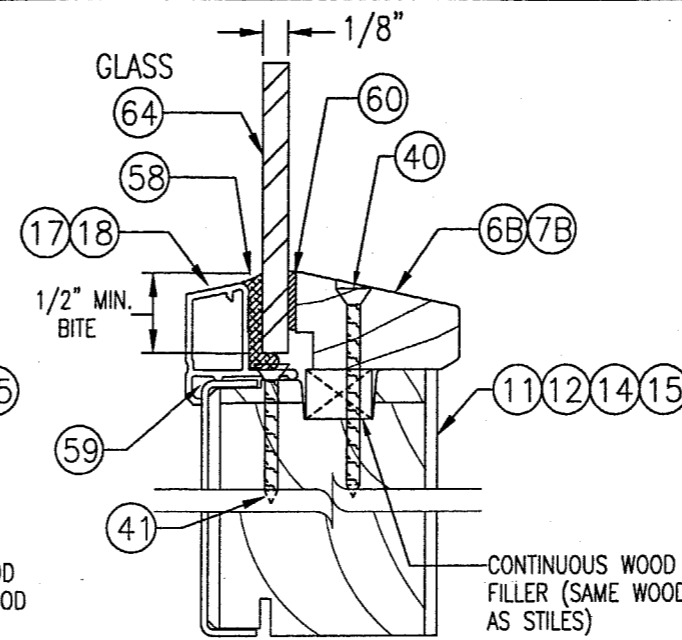
3/8" NEBULA GLASSLAM SAFETY-PLUS LAMINATED GLASS WITH 1/8" ANNEALED/0.06" RESIN/0.01" PET/0.06" RESIN/1/8" ANNEALED



TYPICAL GLASS & GLAZING DETAIL IMPACT UNITS

SCALE: 3/4 FULL SIZE

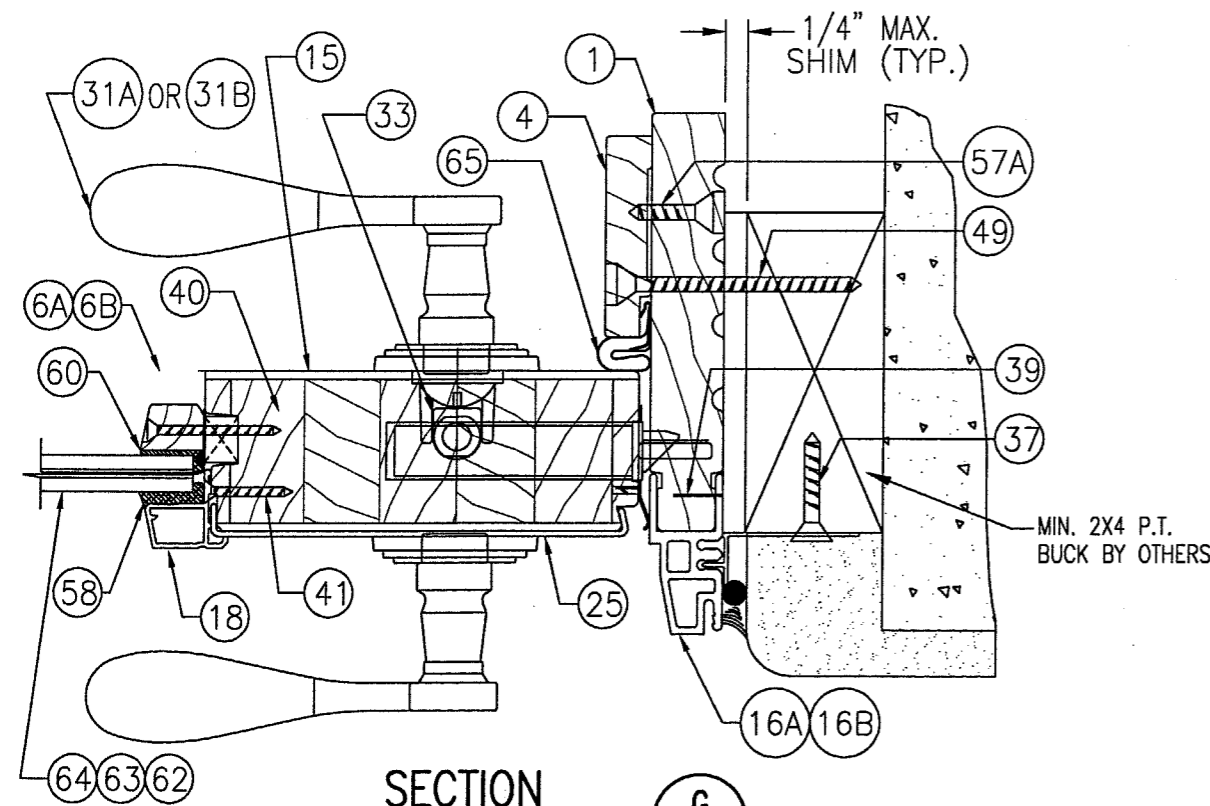
3/8" DUPONT DLUBAK "STEP-GLASS" WITH 1/8" TEMPERED/0.120" PVB/1/8" TEMPERED



TYPICAL GLASS & GLAZING DETAIL NON-IMPACT UNITS

SCALE: 3/4 FULL SIZE

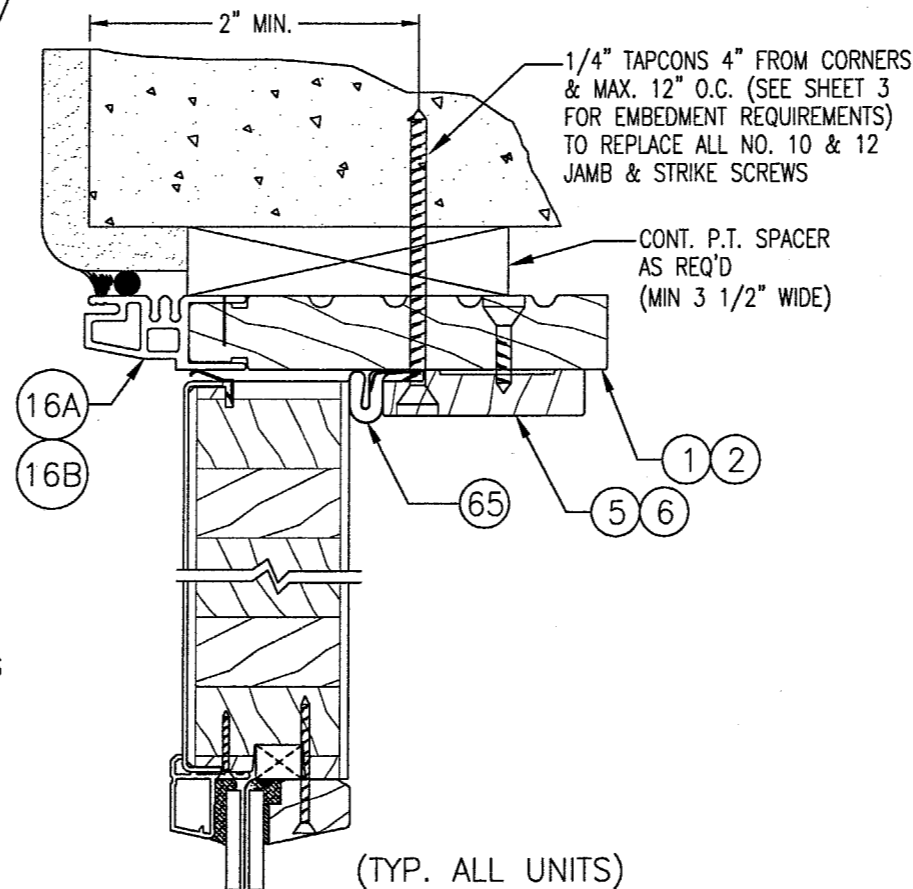
3mm TEMPERED GLASS



SECTION

SCALE: HALF FULL SIZE
SIMILAR FOR CLIP MOUNT

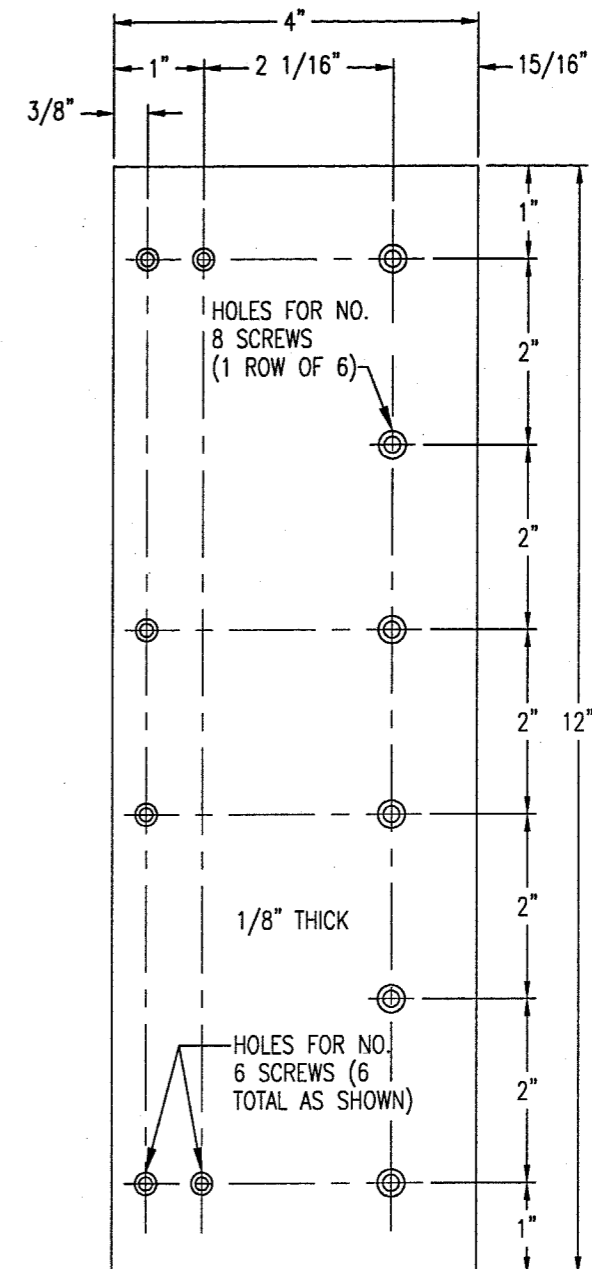
G
9



(TYP. ALL UNITS)

OPTIONAL JAMB DETAIL FOR DIRECT MOUNT TO CONCRETE OR BLOCK

SCALE: 1/2 FULL SIZE

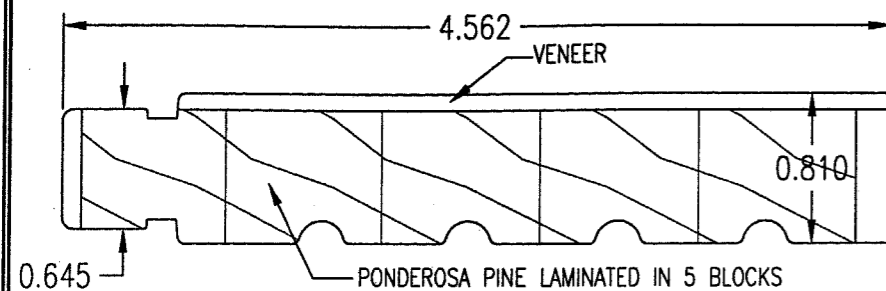


35 STRIKE PLATE DETAIL

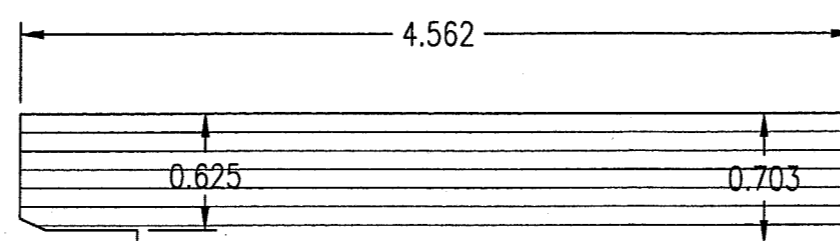
NICKEL PLATED OR PAINTED A446 GRADE A STEEL
SCALE: HALF FULL SIZE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **APR 26 2001**
BY *Manuel S...*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **00-1030.02**

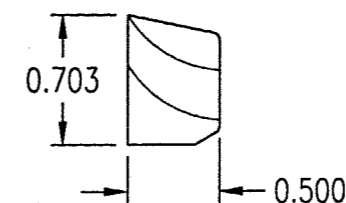
DRAWN BY: W.W.S.		DATE: 09/05/00	
CHECKED BY: W.W.S.		DATE: 03/29/01	
PLOT: 2:1			
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: ALUMINUM CLAD WOOD FRENCH DOORS			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER: KML WINDOWS, INC.	
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 (519)681-7012	
CERTIFICATION: MAR 30 2001		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1003D		REV.	
SHEET NO. 9		OF 13	



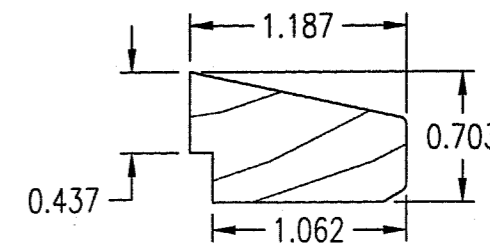
① **LINEAL WOOD FRAME JAMB**
(PONDEROSA PINE)



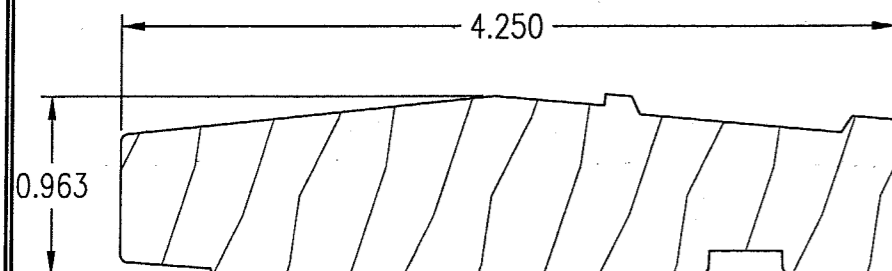
② **RADIAL WOOD FRAME JAMB**
(LAMINATED VENEER)



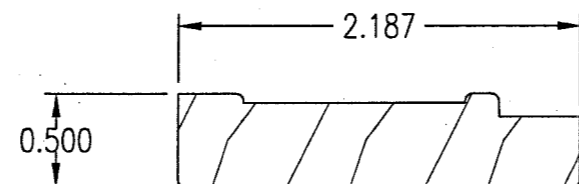
⑥A **LINEAL WOOD IMPACT GLAZING STOP**
(PONDEROSA PINE)



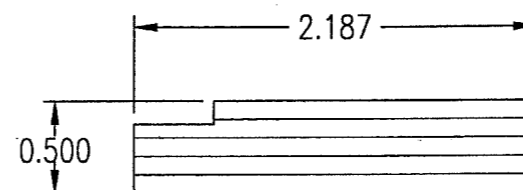
⑥B **LINEAL NON-IMPACT GLAZING STOP**
(PONDEROSA PINE)



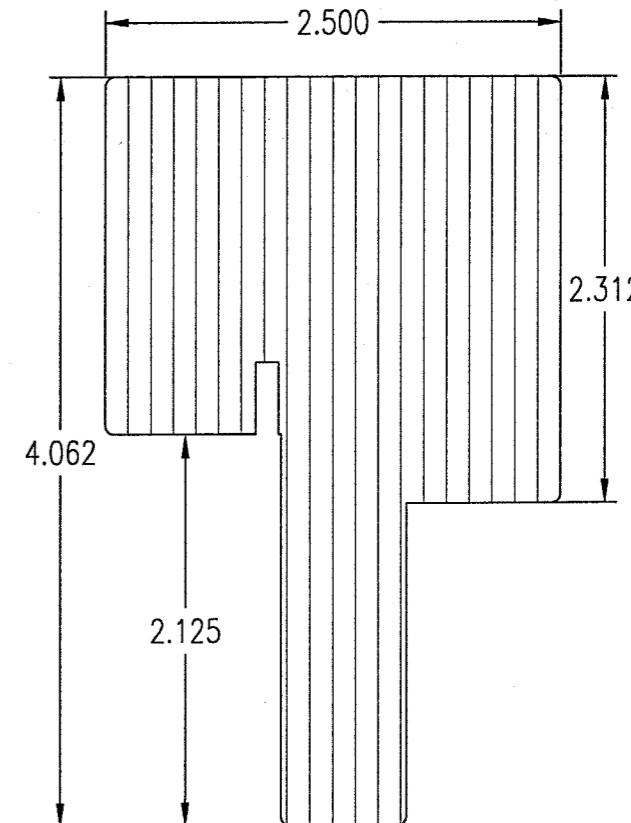
③ **WOOD SUBSILL**
(PONDEROSA PINE)



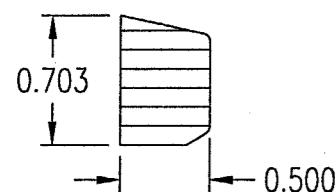
④ **LINEAL DOOR STOP**
(PONDEROSA PINE)



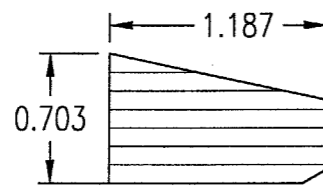
⑤ **RADIAL DOOR STOP**
(LAMINATED VENEER)



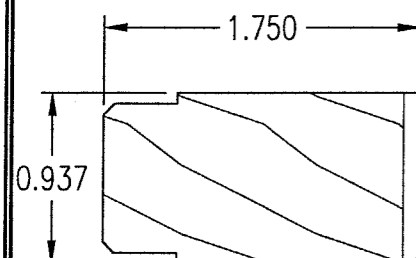
⑬ **ASTRAGAL**
(LAMINATED VENEER)



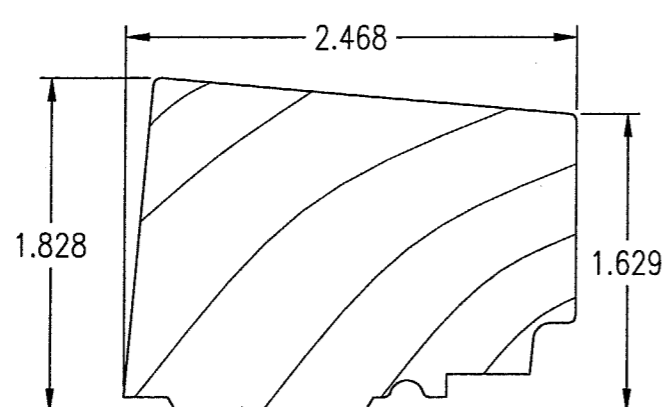
⑦A **RADIAL WOOD IMPACT GLAZING STOP**
(LAMINATED VENEER)



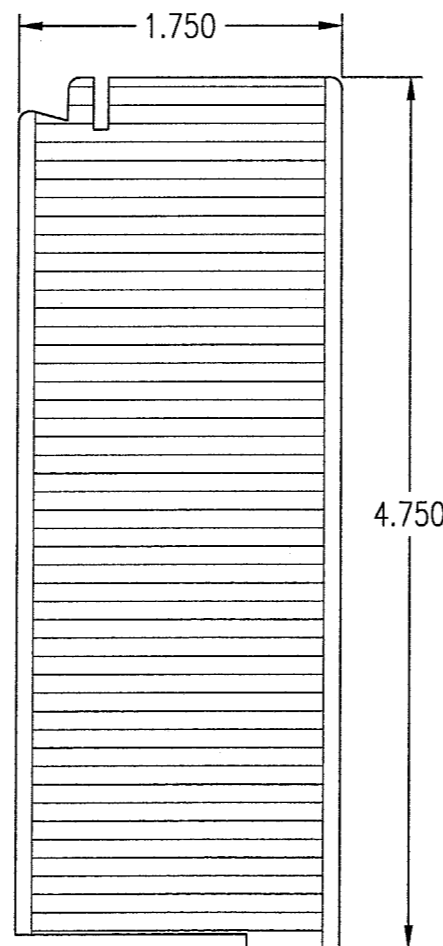
⑦B **RADIAL NON-IMPACT GLAZING STOP**
(LAMINATED VENEER)



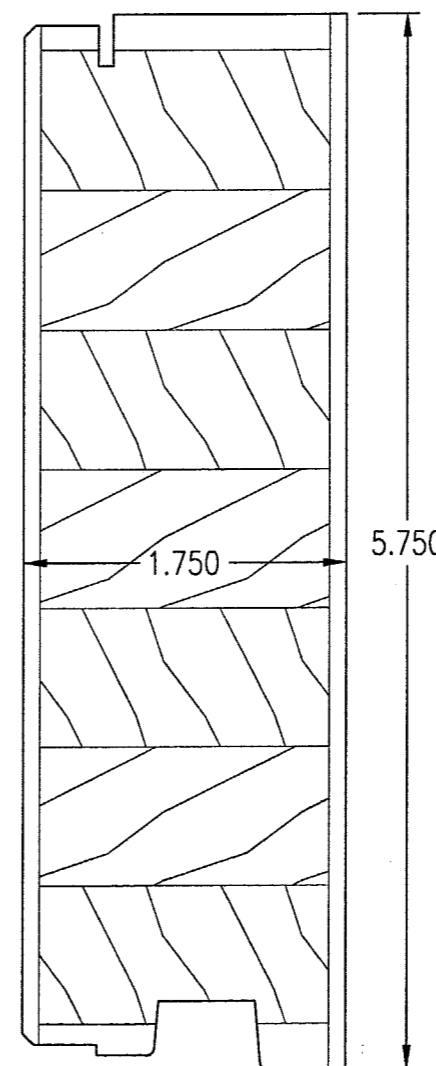
⑧ **WOOD DOOR EXTENDER**
(PONDEROSA PINE)



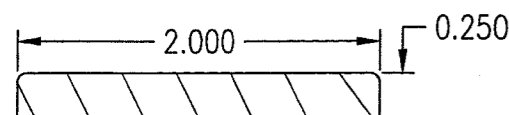
⑨ **DOOR THRESHOLD CAP BUMPER**
(PONDEROSA PINE)



⑪ **RADIAL DOOR RAIL**
(LAMINATED VENEER)



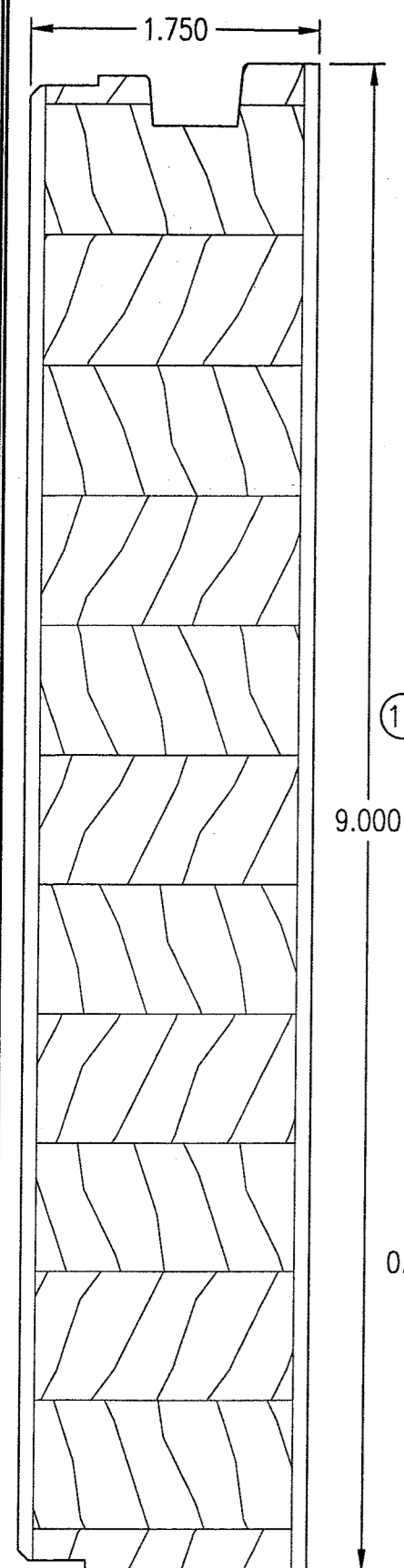
⑫ **LINEAL TOP DOOR RAIL**
(PONDEROSA PINE)



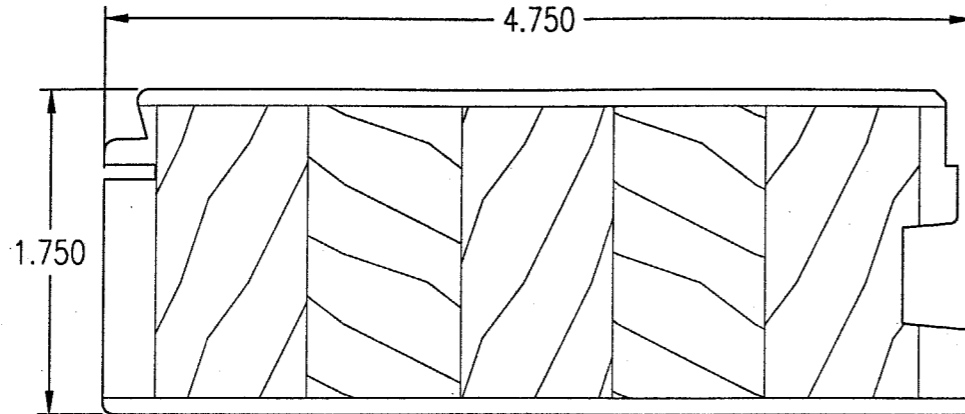
⑩ **ASTRAGAL CAP**
(PONDEROSA PINE)

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **APR 26 2001**
BY *Manuel*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **00-1030.02**

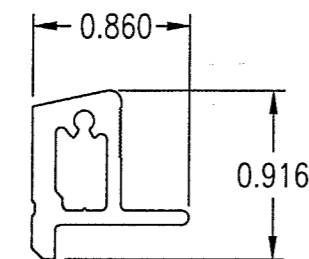
DRAWN BY: W.W.S.	DATE: 09/05/00
CHECKED BY: W.W.S.	DATE: 03/29/01
PLOT: FULL	
NO.	DATE
BY	
REVISION DESCRIPTION	
DRAWING TITLE ALUMINUM CLAD WOOD FRENCH DOORS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	MANUFACTURER KML WINDOWS, INC. 23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 (519)681-7012
CERTIFICATION MAR 30 2001	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1003D	REV.
SHEET NO. 10	OF 13



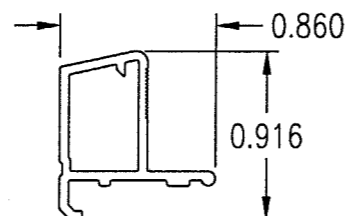
⑭ **DOOR BOTTOM RAIL**
(PONDEROSA PINE)



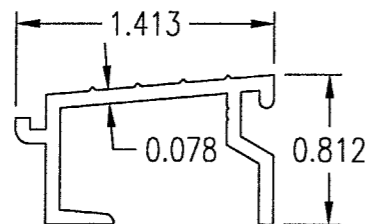
⑮ **WOOD STILE**
(PONDEROSA PINE)



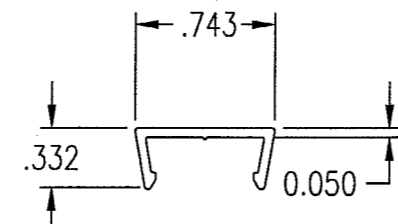
⑰ **RADIAL GLASS STOP**
(6063-T5 ALUMINUM)



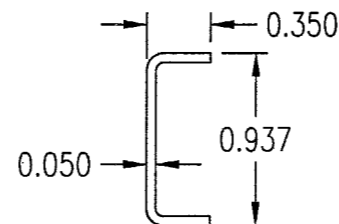
⑱ **LINEAL GLASS STOP**
(6063-T5 ALUMINUM)



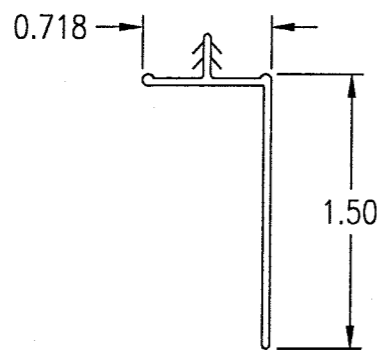
⑳ **THRESHOLD EXTENDER**
(6063-T5 ALUMINUM)



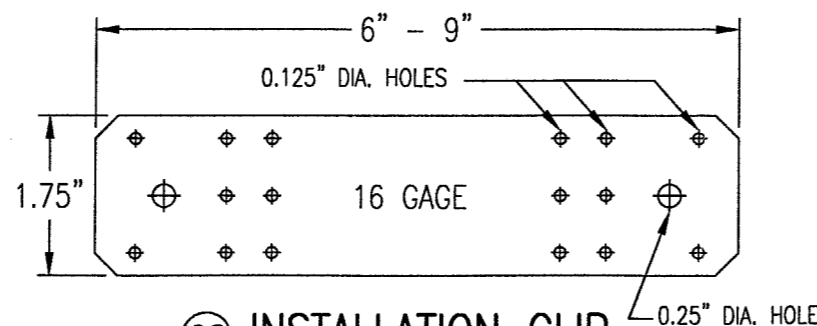
㉑ **MULLION CLIP @ PLATED MULLION**
(6063-T5 ALUMINUM)



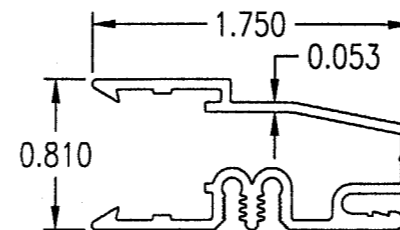
㉒ **RAIL CLADDING EXTENDER**
(3003-H14 ALUMINUM)



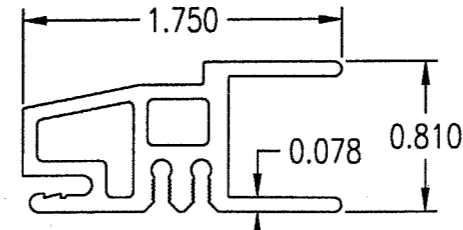
㉓ **NAILING FIN**
(VINYL)



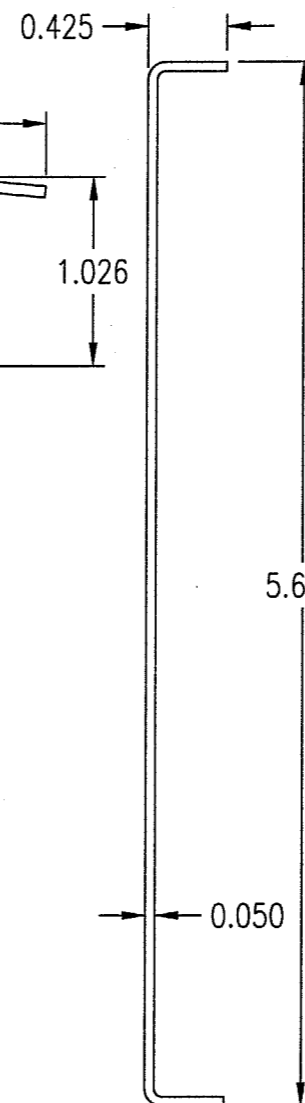
㉔ **INSTALLATION CLIP**
(GALVANIZED STEEL)
Fy = 33 ksi MIN.



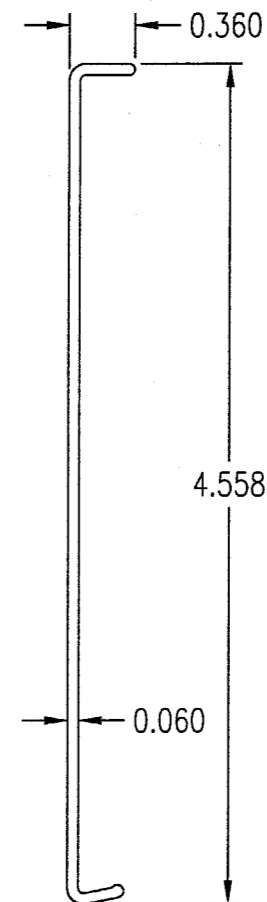
⑯A **JAMB CLADDING**
(6063-T5 ALUMINUM)



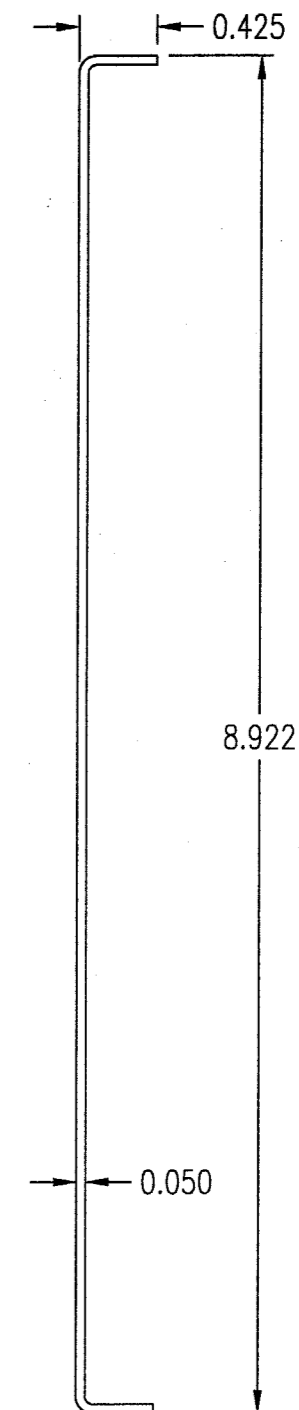
⑯B **OPTIONAL JAMB CLADDING**
(6063-T5 ALUMINUM)



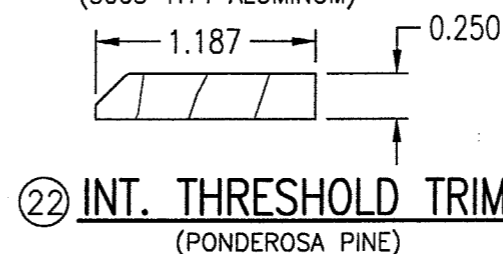
㉕ **DOOR TOP RAIL CLAD**
(3003-H14 ALUMINUM)



㉖ **DOOR STILE CLAD**
(6063-T5 ALUMINUM)



㉗ **DOOR BOTTOM RAIL CLAD**
(3003-H14 ALUMINUM)



㉘ **INT. THRESHOLD TRIM**
(PONDEROSA PINE)

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **APR 26 2001**
BY *Warren W. Schaefer*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **00-1030.02**

DRAWN BY: W.W.S.	DATE: 09/05/00
CHECKED BY: W.W.S.	DATE: 03/29/01
PLOT: FULL	
NO.	DATE
BY	
REVISION DESCRIPTION	
(DADE)	
ALUMINUM CLAD WOOD FRENCH DOORS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	MANUFACTURER KML WINDOWS, INC. 23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 (519)681-7012
CERTIFICATION MAR 30 2001 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1003D
	REV. SHEET NO. 11 OF 13

FIXED PANEL (CONFIGURATION = "O")			
PANEL FRAME SIZE (OSM)		ALLOWABLE PRESSURE (PSF)	
WIDTH	HEIGHT	POS	NEG
15 7/8"	82"	136.8	147.3
25 5/8"	82"	90.7	97.7
31 5/8"	82"	76.8	82.7
33 5/8"	82"	72.7	78.3
37 5/8"	82"	65.0	70.0
15 7/8"	85 5/16"	136.2	146.7
25 5/8"	85 5/16"	90.1	97.0
31 5/8"	85 5/16"	76.1	82.0
33 5/8"	85 5/16"	72.6	78.2
37 5/8"	85 5/16"	65.0	70.0
15 7/8"	95"	134.8	145.2
25 5/8"	95"	88.5	95.3
31 5/8"	95"	74.4	80.1
33 5/8"	95"	70.9	76.3
37 5/8"	95"	65.0	70.0
THIS TABLE APPLIES FOR ANY NUMBER OF FIXED PANELS SIDE BY SIDE & CONSIDERS EACH PANEL BEING EQUAL IN SIZE.			

OPERABLE SINGLE DOOR (CONFIGURATION = "X")			
DOOR FRAME SIZE (OSM)		ALLOWABLE PRESSURE (PSF)	
WIDTH	HEIGHT	POS	NEG
25 5/8"	82"	90.7	97.7
31 5/8"	82"	76.8	82.7
33 5/8"	82"	72.7	78.3
37 5/8"	82"	65.0	70.0
25 5/8"	85 5/16"	90.1	97.0
31 5/8"	85 5/16"	76.1	82.0
33 5/8"	85 5/16"	72.6	78.2
37 5/8"	85 5/16"	65.0	70.0
25 5/8"	95"	88.5	95.3
31 5/8"	95"	74.4	80.1
33 5/8"	95"	70.9	76.3
37 5/8"	95"	65.0	70.0

OPERABLE DOUBLE DOORS (CONFIGURATION = "XX")			
DOOR FRAME SIZE (OSM)		ALLOWABLE PRESSURE (PSF)	
WIDTH	HEIGHT	POS	NEG
50 3/16"	82"	91.3	98.3
62 3/16"	82"	77.0	82.9
66 3/16"	82"	72.9	78.5
74 3/16"	82"	65.0	70.0
50 3/16"	85 5/16"	90.7	97.6
62 3/16"	85 5/16"	76.3	82.2
66 3/16"	85 5/16"	72.7	78.3
74 3/16"	85 5/16"	65.0	70.0
50 3/16"	95"	89.1	95.9
62 3/16"	95"	74.6	80.4
66 3/16"	95"	71.0	76.5
74 3/16"	95"	65.0	70.0
FOR THE "XXXX" CONFIGURATION, THIS TABLE CONSIDERS EACH DOOR FRAME TO BE EQUAL IN SIZE.			

NOTE: ALL POSITIVE PRESSURES FOR ALL DOORS SHALL BE LIMITED TO 65 PSF WHEN WATER INFILTRATION RESISTANCE IS REQUIRED BY CODE.
(POSITIVE PRESSURES LISTED IN TABLES ARE FOR WIND PRESSURE ONLY)

NOTES:

1. THE LOADS IN THESE TABLES ARE AS DETERMINED BY TESTING & COMPARATIVE ANALYSIS WITH THE CONTROLLING FACTOR BEING THE WORSE CASE OF: GLASS SIZE & AREA, UNIT AREA, HINGE REACTIONS, STRIKE PLATE REACTIONS, AND PERIMETER FASTENER REACTIONS.
2. THE LOADS IN THESE TABLES ARE FOR NON-IMPACT RATED WINDOWS ONLY.
3. THE LOADS IN THESE TABLES MAY NOT BE INTERPOLATED.

NOTE: TABULATED VALUES ARE FOR THE ALLOWABLE DESIGN PRESSURE RATINGS OF THE UNIT SIZES & CONFIGURATIONS SHOWN.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **APR 26 2001**
BY *Manuel Pina*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **00-1030.02**

DRAWN BY: W.W.S.	DATE: 09/05/00
CHECKED BY: W.W.S.	DATE: 03/29/01
PLOT: FULL	
DATE	BY
REVISION DESCRIPTION	
NO.	
(DATE)	
DRAWING TITLE ALUMINUM CLAD WOOD FRENCH DOORS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	MANUFACTURER KML WINDOWS, INC. 23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 (519)681-7012
CERTIFICATION MAR 3 2001 <i>Warren W. Schaefer</i> WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1003D REV. SHEET NO. 12 OF 13

MATERIAL LIST			
PART NO.	REF. NO.	DESCRIPTION	NOTES
PARTS & EXTRUSIONS			
1	PF1010	LINEAL JAMB WOOD MEMBER	SEE NOTE 1
2	PF1231	CURVED JAMB WOOD MEMBER	LAMINATED VENEER
3	PF1358	WOOD SUBSILL FOR THRESHOLD	SEE NOTE 1
4	PF1351	LINEAL WOOD DOOR STOP	SEE NOTE 1
5	PF1351	RADIAL WOOD DOOR STOP	LAMINATED VENEER
6A	PF1008	WOOD LINEAL GLAZING STOP	SEE NOTE 1 (USED WITH IMPACT UNITS)
7A	PF1008	WOOD RADIAL GLAZING STOP	LAMINATED VENEER (USED WITH IMPACT UNITS)
6B	PF1011	WOOD LINEAL GLAZING STOP	SEE NOTE 1 (USED WITH NON-IMPACT UNITS)
7B	PF1011	WOOD RADIAL GLAZING STOP	LAM. VENEER (USED WITH NON-IMPACT UNITS)
8	PF1169	WOOD BOTTOM RAIL EXTENDER	SEE NOTE 1
9	PF1362	DOOR THRESHOLD CAP/BUMPER	SEE NOTE 1
10	PF1507	ASTRAGAL CAP	SEE NOTE 1
11	PF1130	RADIAL DOOR TOP RAIL	LAMINATED VENEER
12	PF1131	LINEAL DOOR TOP RAIL	SEE NOTE 1
13	PF1489	WOOD ASTRAGAL	LAMINATED VENEER
14	PF1132	WOOD BOTTOM RAIL	SEE NOTE 1
15	PF1130	WOOD STILE	SEE NOTE 1
16A/B	PF1001/1002	JAMB CLADS	6063-T5 ALUMINUM
17	PF1017	RADIAL GLASS STOP	6063-T5 ALUMINUM
18	PF1458	ALUMINUM LINEAL GLASS STOP	6063-T5 ALUMINUM
19	PF1086	4 9/16" OUTSWING DOOR SILL	6063-T5 ALUMINUM
20	PF1083	THRESHOLD EXTENDER	6063-T5 ALUMINUM
22	PF1295	INTERIOR THRESHOLD TRIM	SEE NOTE 1
23	PF1172	BOTTOM RAIL EXTENDER CLADDING	3003-H14 ALUMINUM
24	PF1135	TOP RAIL CLAD	3003-H14 ALUMINUM
25	PF1134	STILE CLAD	6063-T5 ALUMINUM
26	PF1136	BOTTOM RAIL CLAD	3003-H14 ALUMINUM
27	PF1214 PF1326	VINYL NAIL FIN	OPTIONAL WITH SHEAR SCREW INSTALLATION
28	SK1031	GALVANIZED 16 GA. STEEL INSTALLATION CLIP	GALVANIZED STEEL, INC. (Fy = 33 ksi MIN.) WITHIN 4" OF CORNERS & 12" MAX. O.C.
30	SK1156	FIVE KNUCKLE FULL MORTISE HINGE	STANLEY NO. FBB191; STAINLESS STEEL (4 PER DOOR PANEL)
31A	-	G-U US TRIM SERIES 2000 HANDLE	USE WITH PART #32 LOCKING HARDWARE (BRASS)
31B	SK1415	W&F MFG. SERIES 1200 LOCKSET	INCLUDES HANDLE & SINGLE DEAD BOLT (BRASS)
32	-	G-U 3-POINT DOOR LOCKSET	US TRIPACT DOOR BOLT SYS. (USE WITH #31A)
33	SK1193	KML INTERIOR FLUSH BOLT	1 TOP & BOTTOM EACH DOOR PANEL INTERIOR
34	SK1597	0.945"x2.25"x0.078" STL STRIKE PLATE (Fy = 33 ksi MIN.)	1 AT EACH FLUSH BOLT STRIKE (HEAD & SILL) NICKEL PLATED STEEL
35	SK1598	4"x12" X1/8" STEEL STRIKE PLATE (MIN. ASTM A446 GRADE A STEEL)	LOCATED AT CENTER/TOP OF HEAD JAMB NICKEL PLATED OR PAINTED STEEL
FASTENERS			
36	-	#8 X 1 1/4" SMS SCREW OR 1 5/8" DRYWALL SCREW	WITHIN 4" FROM ENDS & MAX. 10 1/2" O.C. WITH FIN
37	-	#8 X 1 1/4" SMS SCREW	2 PER CLIP INTO BUCK (1 EA. SIDE OF BUCK)
38	-	#8 X 5/8" PAN HEAD SMS SCREW	3 PER CLIP INTO JAMB
39	-	3/8" LONG STAPLE	WITHIN 3" FROM CORNERS & MAX. 8" O.C.


MATERIAL LIST			
PART NO.	REF. NO.	DESCRIPTION	NOTES
40	-	#6 X 1 5/8" SMS SCREW	WITHIN 3" FROM CORNERS & MAX. 6" O.C.
41	-	#6 X 3/4" SMS SCREW	WITHIN 3" FROM CORNERS & MAX. 12" O.C.
42	-	#8 X 2" SMS SCREW	3 @ EA. RECTANGULAR JAMB CORNER
43	-	#8 X 1 1/2" SMS SCREW	3 @ EA. RADIUS JAMB CORNER
44	-	#6 X 3/4" SMS SCREW	2 @ EA. JAMB CLAD CORNER INTO CLAD SPLINES
45	-	3/8" X 5" LAG BOLT	1 @ TOP STILE & RAIL, 2 BOTTOM STILE & RAIL
46	-	#12 X 3/4" SMS SCREW	4 @ EA. HINGE INTO JAMB (EXCLUDING TOP HINGE)
47	-	#12 X 1 1/4" S.S. SCREW	4 @ EA. HINGE INTO STILE
48A	-	#12X2 1/2" S.S. OR BRASS SMS	2 @ TOP HINGE ONLY THRU JAMB INTO BUCK
48C	-	1/4"-20 X 3/4" MACHINE SCREW	2 @ TOP HINGE ONLY (WITH T-NUT)
49	-	#10 SMS SCREWS (1 3/8" MIN. BUCK EMBED)	WITHIN 4" FROM CORNERS & MAX. 12" O.C.
50	-	#8 X 1 3/4" SMS SCREW	2" FROM ASTRAGAL ENDS & MAX. 12" O.C.
51A	-	#10 SMS SCREWS (MIN. 1 3/8" BUCK EMBED)	2 THRU EA. STRIKE PLATE, JAMB & INTO BUCK
51B	-	1/4" TAPCON (WHEN INTO CONCR.) (MIN. 1 1/4" CONCR. EMBED)	2 THRU EA. STRIKE PLATE, JAMB & INTO CONCR.
52A	-	#6 X 3/4" SMS SCREW	6 THRU TOP STRIKE PLATE & INTO HEAD JAMB
52B	-	#8 X 1 1/4" SMS SCREW	6 THRU TOP STRIKE PLATE & INTO HEAD JAMB
53A	-	1/4" TAPCON (WHEN INTO CONCR.) (MIN. 1 1/4" CONCR. EMBED)	2 THRU EA. SILL STRIKE PLATE & INTO CONCRETE
53B	-	#10 SMS SCREW (MIN. 1 3/8" FRAMING EMBED)	2 THRU EA. SILL STRIKE PLATE & INTO FRAMING
54A	-	1/4" TAPCON (WHEN INTO CONCR.) (MIN. 1 1/4" CONCR. EMBED)	WITHIN 4" OF CORNERS & MAX. 12" O.C.
54B	-	#10 S/STL SCREWS (MIN. 1 3/8" FRAMING EMBED)	WITHIN 4" OF CORNERS & MAX. 12" O.C.
55	-	#10 X 1.5" SMS SCREW (SIDE JAMB TO MULL PLATE)	4" FROM CORNERS & MAX. 12" O.C.
56	-	#10 X 2 1/2" SMS SCREW	4" FROM CORNERS & MAX 12" O.C.
57	-	#8 X 1 3/4" SMS	3" FROM CORNERS & MAX 12" O.C.
57A	-	#8 X 1" SMS SCREW	3" FROM CORNERS & MAX. 8" O.C.
57B	-	#8 X 2 1/2" SMS SCREW	3" FROM CORNERS & MAX 12" O.C.
SEALANTS			
58	-	DOW 995 SILICONE	FOR 1/2" GLAZING BITE
59	-	DOW 1199 STRUCTURAL SILICONE ADHESIVE	CONT. CLADDING TO JAMB & DOOR STOP TO JAMB
OTHER			
60	-	NORTON NORGLAZE .0625" X .437" GLAZING TAPE	POLYOLEFIN FOAM W/ ACRYLIC ADHESIVE
61	-	TREMCO 440 BUTYL TAPE GASKET	TRIM OFF AT EDGES (TYP. AT JAMB CLAD CORNERS)
62	-	3/8" LAMINATED TEMPERED GLASS "DUPONT PVB WITH DLUBAK STEP"	1/8" TEMPERED/0.120 PVB/1/8" TEMPERED
63	-	3/8" LAMINATED HEAT STR. GLS. NEBULA GLASSLAM SAFETY-PLUS	1/8" ANNEALED/0.06 RESIN/0.01 P.E.T./ 0.06 RESIN/1/8" ANNEALED
64	-	1/8" THICK TEMPERED GLASS	
65	PF1371	FRAME WEATHERSEAL	SCHLEGEL
66	PF1026	0.415" X 0.489" RAINSKIRT	SCHLEGEL EXTRUDED FLEXIBLE COPOLYMER

ALL WOOD USED WITH TESTED UNITS IS MINIMUM GRADE 2 PONDEROSA PINE. ALTERNATE WOOD SPECIES ACCEPTABLE WITH THIS PRODUCT ARE THE FOLLOWING MINIMUM GRADE 2 WOODS:

1. MAHOGANY	5. DOUGLAS FIR
2. OAK	6. MAPLE
3. CHERRY	7. TEAK
4. CYPRUS	

WOOD = 1"
CONCR./BLOCK = 2"

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **APR 26 2001**
BY Manuel Lopez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-1030.02

DRAWING NO. 1003D	REV.	SHEET NO. 13 OF 13	CERTIFICATION MAR 03 2001  WARREN W. SCHAEFFER, P.E. P.E. NO. 44135	DRAWING TITLE ALUMINUM CLAD WOOD FRENCH DOORS (DADE)	CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 600 SANDTREE DRIVE; SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903		MANUFACTURER KML WINDOWS, INC. 23 BUCHANAN COURT LONDON, ONTARIO, CANADA N5Z4P9 (519)681-7012	
					NO.	REVISION	DESCRIPTION	BY
PLOT: FULL								
CHECKED BY: W.W.S.		DATE: 03/29/01		DRAWN BY: W.W.S.				
		DATE: 09/05/00						